Bulletin

UNION UNIVERSITY

JACKSON, TENNESSEE

Catalogue

1943-1944

Announcements

1944-1945

VOLUME XXXVIII JUNE, 1944 No. 1

BULLETIN OF UNION UNIVERSITY

JACKSON, TENNESSEE

One Hundred-Eleventh Year

FOREWORD

UNION'S purpose is to train young men and women for life in an environment that makes for both high scholarship and Christian character. For more than one hundred years the college has been sending its graduates out to assume places of leadership in all fields of service.

Attendance at Union is a privilege, and this privilege may be forfeited by any student who does not conform to its traditions and regulations, or who is not willing to adjust himself to its environment.

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■•COWAT-MERCER, JACKSON, TENN.

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CALENDAR

1944-1945

SEPTEMBER

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OCTOBER

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NOVEMBER

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1945

JANUARY

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MAY

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APRIL

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JUNE

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UNIVERSITY CALENDAR

September 11 and 12, Monday and Tuesday...*Matriculation*

September 13, Wednesday.....*Formal Opening*

October 23, Monday.....*Mid-term begins*

November 30 and December 1, Thursday and Friday...
Thanksgiving Holidays

December 4, Monday.....*Winter Quarter begins*

December 16 to January 1, inclusive....*Christmas Holidays*

January 29, Monday.....*Mid-term begins*

March 14, Wednesday.....*Spring Quarter begins*

April 23, Monday.....*Mid-term* begins

Sunday, May 27 (Morning).....*Baccalaureate Sermon*

Sunday, May 27 (Evening).....*Sermon*

Monday, May 28—

10:00 A. M.....*Annual Meeting of Board of Trustees*

10:00 A. M.....*Strickland Medal Contest*

2:30 P. M.....*Home Economics Exhibition and Fashion Revue*

8:00 P. M.....*President's Reception*

Tuesday, May 29 (10:00 A.M.).....*Graduation Exercises*

Thursday, May 31 and Friday, June 1..*Final Examinations*

Monday, June 4.....*Summer School will begin and continue for twelve weeks*

BOARD OF TRUSTEES

D. A. Ellis, *President* ..... *Memphis*
R. E. Guy, *Vice-President* ..... *Jackson*
A. M. Vollmer, *Secretary* ..... *Dyersburg*

Term of Office Expires 1945

S. R. Woodson ..... *Humboldt*
R. E. Guy ..... *Jackson*
H. J. Huey ..... *Milan*
H. C. Sanders ..... *Selmer*
Paul Wieland ..... *Trenton*
Fred West ..... *Jackson*
W. W. McGinnis ..... *Collierville*
W. S. Hall ..... *Jackson*
H. H. Stembridge ..... *Paris*
W. Morris Ford ..... *Jackson*

Term of Office Expires 1944

J. L. Crook ..... *Jackson*
D. A. Ellis ..... *Memphis*
E. A. Harrold ..... *Millington*
W. W. Jones ..... *Martin*
P. L. Ramsey ..... *Covington*
R. G. Lee ..... *Memphis*
I. B. Tigrett ..... *Jackson*
G. T. Webb ..... *Memphis*
C. L. Bowden ..... *Ripley*
Walter Warmath ..... *Lexington*

Term of Office Expires 1946

Eugene Woods ..... *Millington*
J. Carl McCoy ..... *Memphis*
Norris Gilliam ..... *Springfield*
W. G. Robinson ..... *Selmer*
Herron Pearson ..... *Jackson*
J. B. Fuqua ..... *Milan*
A. M. Vollmer ..... *Dyersburg*
V. E. Boston ..... *Memphis*
H. H. Waldrop ..... *Jackson*
Garland F. Jones ..... *Jackson*

OFFICERS OF ADMINISTRATION

JOHN JETER HURT, 564 E. Main.....*President*

Th. G., Southern Baptist Seminary, 1903
D. D., Union University, 1914
D. D., Wake Forest College, 1921
LL. D., Georgetown College, 1932

SAMUEL STEGALL SARGENT, 109 Rothrock Circle.....*Dean*

A. B., Union University, 1924
A. M., George Peabody College, 1926

HAZEL ELLIS MANSFIELD, 310 N. Hays.....*Registrar*

A. B., Union University, 1932

FRANK M. BLYTHE, 590 E. College.....*Business Manager*

B. S., University of Oklahoma, 1926

*RAY JONES, Adams Hall.....*Bursar*

B. S., Union University

EMMA WATERS SUMMAR, 118 N. Hays.....*Librarian*

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*Absent for military service.

FACULTY OF INSTRUCTION

A. Warren Prince, Poplar Corner Road.....*Chemistry*
A. B., William Jewell College, 1904
A. M., William Jewell College, 1905
Additional graduate work, The University of Chicago
D. Sc., Union University, 1933

Floy S. Wise.....*Social Science*
B. S. E., University of Arkansas, 1929
M. A., University of Arkansas, 1936
Residence work completed for Ph.D.

Mabel Whitson Hardin, Lovelace Hall.....*English*
A. B., Union University, 1921
A. M., University of Tennessee, 1923
Additional graduate work, George Peabody College

Rosa D. Rutledge, 344 Hays Ave.....*German, History*
B. S., Union University, 1927
A. M., George Peabody College, 1932

Dee E. Rice, Lovelace Hall.....*English, Latin*
A. B., Ouachita College, 1907
B. S., Union University, 1936

Louis Brown Matthews, 606 E. Main....*Greek, History*
A. B., Mercer University, 1922
A. M., Mercer University, 1923
B. D., Newton Theological Institution, 1925
Ph. D., The University of Chicago, 1933

*William Russell Reed, Adams Hall.....*Sociology*
A. B., Union University, 1925
A. M., Colgate University, 1927
Additional graduate work, Harvard University

Samuel Stegall Sargent, 109 Rothrock Circle...*English*
A. B., Union University, 1924
A. M., George Peabody College, 1926

Robert Emmett Guy, 420 E. Lexington.....*Bible*
B. A., Union University, 1911
Th. D., Southwestern Baptist Seminary

*Absent for military service.

CHARLES J. CAVANAUGH, 108 Rothrock Circle.....*Biology*
B. A., Louisiana College, 1932
M. S., University of Tennessee, 1934
Residence work completed for Ph.D. degree

FRANK L. WELLS, 604 E. College.....*Education*
A. B., University of North Carolina, 1920
A. M., Columbia University, 1926
Ph. D., University of Iowa. 1928

CLYDE H. FARNSWORTH, 561 E. Lafayette.....*Commerce*
B. S., East Tennessee State Teachers' College, 1928
A. B., Union University, 1934
M. A., The Ohio State University, 1937
Additional graduate work, The Ohio State University

LYNN TOWNSEND, Adams Hall.....*Commerce*
A. B., Union University, 1939
LL. B., Cumberland University, 1938

JASPER N. MALLORY, Lexington Extd.....*Mathematics*
A. B., Oklahoma University, 1916
A. M., Baylor University, 1918
Ph. D., George Peabody College, 1922

FRANCES ELAM, 310 Hays Ave.....*Home Economics*
B.S., University of Tennessee, 1942

CARROLL L. PELL, 594 E. College.....*Modern Languages*
A. B., Mississippi College, 1927
A. M., Peabody College, 1933
Residence work completed for Ph.D. degree

BEULAH F. MALLORY, Lexington Extd.....*Mathematics*
A. B., Union University, 1937
Graduate work, George Peabody College

FRED DELAY, Adams Hall.....*Physical Education*
B. S., Middle Tennessee State Teachers' College, 1926
A. M., George Peabody College, 1938

FRANK M. BLYTHE, 590 College.....*Commerce*
B. S., University of Oklahoma, 1926

HARRIET HELEN BLYTHE, 590 College.....*Commerce*
B. A., University of Oklahoma, 1939

GRACE WILLIAMS, A. B., M. A.....*Physical Education*

WILMA M. LONG, A. B., M. A.....*Education*

EDNA J. FARNSWORTH, B. S.....*Commerce*

CECIL M. BOLTON, B. M.....*Piano*

R. E. BRIGHT, A. B., M. A.....*Physics*

ANNE HAWKINS.....*Voice*

MAYME F. PRINCE, Poplar Corner Road.....
Piano and Theory

B. M., The Kindig School of Music. Studied with D. S. DeLisle, St. Louis University; Heniot Levy, American Conservatory; Maurice Aranson, Chicago Musical College; Arthur Davis, Birmingham, England; Tobias Matthar, London, England.

ELIZABETH LOYD, 100 University Ave...*Speech and Drama*

Diploma in Expression, Whitworth College, 1922
Certificate in Expression, Union University, 1924
Studied with The Curry School of Expression, Boston; University of the Theater, New York; The American Academy of Dramatic Art; Columbia University.

Hostesses and Secretaries

RENA SUBLETTE, Adams Hall.....*Dining Room*

LOUISE SUBLETTE, Adams Hall.....*Tea Room*

B. S., Union University, 1930

MRS. W. D. LUCKEY.....*Walton Hotel*

HAZEL ELLIS MANSFIELD, 310 N. Hays.....
Secretary to President

A. B., Union University, 1932

MYRTIS RAMER.....*Asst. Registrar*

UNION UNIVERSITY

Historical Sketch

UNION UNIVERSITY is the descendant and heir to two earlier institutions—West Tennessee College at Jackson and Union University at Murfreesboro.

West Tennessee College was established in Jackson as an academy in 1834, when Jackson was only a village twelve years old. Most of the early history of the college is lost. It is not definitely known what year the school became a college, but a catalogue printed in 1844 has been discovered bearing the name West Tennessee College. This catalogue gives the faculty and students of the previous year, showing three classes, Freshman, Sophomore and Junior. The college really had its beginning in the provision of the North Carolina compact in ceding Tennessee to the United States government to be made into a new state. It was provided that there should be two colleges established, one each in East and West Tennessee, and certain public lands were set apart to that end. In 1846 an act of Congress was passed extinguishing the title to unappropriated lands south and west of the congressional reservation line, and the $40,000 arising from the sale of these lands was set apart as an endowment fund for West Tennessee College, located in Jackson.

The college was chartered in 1846 by an act of Congress signed by James K. Polk as President of the United States. Hon. Milton Brown represented this district at the time, and Andrew Johnson and Jefferson Davis were members of the Congress that passed the enabling act. The charter was also granted upon the authority of an act of the Tennessee Legislature at which time Aaron Brown was Governor. Hon. Harvey Watterson, father of Col. Henry Watterson, president of the Tennessee State Senate, signed the enabling act. It is rare, indeed, if not without parallel, that an institution of learning should have had as its godfathers a President of the United States, an American Congress, a State Governor and State Legislature, and as afterwards happened, a State Baptist Convention.

Rev. S. M. McKinney, A. M., was first president. Little is known of the details of the development of the college

prior to the Civil War. At the close of the war Dr. William Shelton was elected president, and under his administration the institution grew rapidly until it was consolidated with Union University in 1875, when the property and endowment were estimated at $90,000.

In the year 1845 the Baptist General Assembly of Tennessee, resolved to establish and endow a college known subsequently as Union University. The sum of $65,000 was raised, and the institution was located at Murfreesboro. The Reverend Dr. Joseph H. Eaton was the first president, and held this position until his death in January, 1859. During the years from 1861 to 1866, inclusive, the college was suspended on account of the Civil War. The building was greatly damaged, the library and apparatus were destroyed, and the endowment was wholly lost.

The college was reopened in 1866 and continued until 1873, when an epidemic of cholera and other causes led to a suspension of all work. On the 10th day of April, 1874, a convention was called at Murfreesboro to consider the question of re-establishing a college for the entire State, and a committee was appointed to locate it. Among the various propositions presented, Jackson was selected as the best site.

On August 12, 1874, the Tennessee Baptist Convention, then in session at Trezevant, appointed a Board of Trustees consisting of thirty-five members. The institution was rechartered by the State on June 25, 1875, under the name of the Southwestern Baptist University.

On August 5, 1890, the campus, known prior to 1875, as West Tennessee College, was deeded. During this year, Colonel J. W. Rosamon was chosen as financial agent, and in six months he had secured about $30,000 in bonds. During the year 1890 Miss Willie Edwards of Shelbyville, Tennessee, made a gift to the endowment fund amounting to $3,310. In November of that year the American Baptist Education Society set aside $12,700, $2,700 of which was to be applied to the payment of the agent's salary to June 20, 1892. The remaining $10,000 was a gift conditioned on the raising of $40,000 additional to the $30,000 in individual bonds raised by Col. J. W. Rosamon, as stated above. The same percentage of the $10,000 was paid out of the $70,000 in individual promises collected in 1897. In 1897 a move-

ment to endow the Chair of Logic and Moral Philosophy, in honor of J. R. Graves, resulted in raising $10,000. Dr. H. C. Irby was secretary of the movement.

Through the liberality of Mr. W. T. Adams, of Corinth, Mississippi, and named in his honor, a dormitory for young men was erected in 1895, and in 1896 this building was enlarged by the addition of a three-story front. In 1897 a dormitory for young women was erected, which, in consequence of a gift from Mr. J. R. Lovelace of Martin, Tennessee, was named in honor of his son, Everett, "Lovelace Hall." Both of these buildings are located on the college campus.

A new chapel was completed in 1899, and, in honor of Dr. W. D. Powell, was named "Powell Chapel." In 1901-2 the Perry Estate became the property of the University. With this the Perry School of Biblical Instruction was established in memory of Benjamin W. Perry, who gave his estate, amounting to $12,000, requesting it to be used especially in the education of young ministers. In the spring of 1905 Dr. H. C. Irby gave the University, under conditions accepted by the trustees, $18,000 which, with $7,000 already given, made his gifts amount to $25,000.

In May, 1905, the General Education Society offered the trustees $25,000 on permanent endowment, if the friends of the institution would promptly raise $75,000. The effort securing this offer in 1906 was successful under the leadership of President Hale.

At a meeting of the Board of Trustees, September 17, 1907, the name of the University was changed from Southwestern Baptist University to Union University, the name given in its organization in 1845.

On January 20, 1912, the chapel and main building of the institution were entirely destroyed by fire. Much of the apparatus and the entire library were saved. The loss was partly covered by insurance. A movement to raise funds was begun at once, the present administration building being the result. On account of liberal gifts of Colonel O. C. Barton, Paris, Tennessee, this building was named in his honor, "Barton Hall."

In January, 1920, a campaign was launched by the Baptists of Tennessee for $100,000 for Union University. Most of it was subscribed and a part of it paid in cash, when the

larger movement, The Seventy-five Million Campaign of Southern Baptists, was launched. Union University's share of this fund was $200,000.

In May, 1922, the citizens of Jackson contributed $25,000 to an enlargement fund that resulted in the erection of the Joseph A. Crook Hall, the Gymnasium, and remodeling of the Dining Hall. The total cost of these buildings was about $60,000.

In the fall of 1925 the board of trustees deeded all the property of the University to the Tennessee Baptist Convention, and secured a new charter which vested all rights and authority in the convention, which appoints all of the trustees.

In 1927 the Hall-Moody Junior College was consolidated with Union University, its property was sold for its debts, and its records transferred to Union University.

In 1928 a campaign was launched for funds to liquidate indebtedness and to increase endowment. This resulted in raising approximately $270,000 in cash and pledges.

Union University has had the following presidents (No record of the presidents of West Tennessee College):

Joseph A. Eaton, who guided the initial stages from the early forties until the formal opening of the college, January, 1848; from then he was president until his death, January 12, 1859; J. M. Pendleton, 1859-61; G. W. Jarman, 1865-71; Charles Manley, 1871-72; G. W. Jarman, 1872-90; G. M. Savage from 1890 to 1904; P. T. Hale, 1904-06; G. M. Savage, 1906-07; J. W. Conger, 1907-09; I. B. Tigrett, 1909-11; R. A. Kimbrough, 1911-13; R. M. Inlow was elected June, 1913, but resigned soon after opening of fall term; A. T. Barrett, 1913-15; G. M. Savage, 1915-18; H. E. Watters, 1918-1931; A. W. Prince (Acting President), 1931-32; John Jeter Hurt, 1932—

GENERAL INFORMATION

The City of Jackson

UNION UNIVERSITY is located in Jackson, Tennessee, almost midway between Mobile and St. Louis on the Gulf, Mobile and Ohio Railroad; between Chicago and New Orleans, on the Illinois Central Railroad; between Memphis and Nashville, and Paducah and Memphis on the Nashville, Chattanooga and St. Louis Railroad. In addition to the railroad facilities, Jackson is now the center of nearly as many Bus routes, and fine highways radiate out in every direction.

Jackson is a progressive city of thirty thousand inhabitants, distinguished for hospitality and beautiful residences. Though industries abound and prosper, it is peculiarly a city of homes and flowers, a place of culture and refinement, alike attractive to the resident, the visitor, and the student. Many families have moved here primarily for superior educational advantages.

Buildings and Equipment

The following statement as to the value of the University property is taken from the auditor's report:

Buildings, Grounds and Equipment	$ 694,530.04
Endowment, Current Assets and Endowment Notes	387,143.36
TOTAL	$1,081,673.40

The Tennessee Baptist Convention appropriates money each year to the college for current expenses, equipment and indebtedness, and other funds received bring the total up to $24,000 which is equivalent to the income from an additional endowment of $500,000.

Campus

The campus of the University, containing fifteen acres, is located in the eastern part of the city within four blocks of the business district. On it are situated the nine buildings of the University. Thousands of dollars have been spent in beautifying the campus.

Buildings

Adams Hall

On August 13, 1918, the front part of Adams Hall was destroyed by fire, but was rebuilt, and made better and more modern than before. Students will furnish their own linens, pillows, covering, etc.

Everette Lovelace Hall

The dormitory for young women is a splendid three-story building. In this hall rooms are provided, at a minimum cost, for sixty young women. Young women should bring with them linens, pillows, covering, etc. Only two students occupy a room.

Joseph A. Crook Hall

The Joseph A. Crook Hall, the young women's home on the south campus, was erected in memory of the late Dr. J. A. Crook, who was a member of the Board of Trustees for forty years, was secretary most of the time, and was one of the most loyal supporters the college ever had. This accommodates sixty young ladies.

Dining Hall

This hall accommodates 250 students.

Barton Hall

This is the Administration building, and contains the administrative offices, recitation rooms, the chapel, the library, the book store and post office, the fraternity rooms, and the tea rooms.

Home Management House

This building is of Dutch Colonial design, with four bed rooms, a sleeping porch, sitting room, sunroom, dining room, kitchen, breakfast room, and two bath rooms. It was designed by the Home Economics Department under the leadership of Mrs. Grace Hudson.

Library and Reading Room

In the Administration building the Library and Reading Room is furnished splendid quarters. There are about six-

teen thousand volumes, besides pamphlets, including the T. T. Eaton bequest. The Reading Room contains the leading magazines, religious periodicals and daily papers. The Jackson Free Public Library is within four blocks of the University, on College Street, and our students have free access to it.

Athletic Field

During the session of 1937-1938 Union deeded to the City of Jackson its football field, on condition that the city erect thereon a modern stadium and allow the University the use of it for all of its football games. There has been erected a stadium at a cost of $40,000, which is one of the most complete to be found anywhere in the South. This stadium is just across the street from Union's campus. There are seating accommodations for 5,000 people in concrete stands, a modern cinder track circles the grounds, the field has been graded to perfection, and is covered with a beautiful stand of grass.

*Gymnasium**

The Gymnasium is an excellent building. It contains a splendid basketball court, used only for practice and for physical education classes. The barracks for athletes is also in this building.

The Power House

This building, situated on the east side of the campus, furnishes heat for all the buildings except Lovelace Hall and the Home Demonstration buildings, which have heating plants of their own.

Reserving Rooms

Anyone who wishes to reserve a room in either of the halls for the coming school year may do so by seeing the Bursar in person or by writing to him, making a deposit of $10.00, which will be placed on the room ticket. This deposit will be credited on the student's first bill.

NOTE: Room Reservation fees are not refunded. The reason is obvious and patrons will please not embarrass us by asking for exceptions.

*Destroyed by fire.

Fundamental Regulations

First. Absentees from classes will be expected to make up each recitation with a coach or an assistant in that department.

Second. Students are not permitted to give entertainments during the college session, either on the campus or in the name of the school or any department or any organization of it in the city, without consent of the President or faculty committee.

Third. Students whose college standing is unsatisfactory are forbidden to appear in any university function of a public nature. This applies to athletic as well as to literary celebrations and to oratorical contests.

Fourth. Except by special faculty consent, students must attempt to take not more than seventeen hours a quarter. Only in very exceptional cases will consent be granted for one additional hour. Students working for part of their expenses must take proportionately less school work.

Fifth. No clubs, fraternities or societies may be formed unless the faculty, on application, approves the design of such organization, the rules by which it proposes to be governed, and the hours of the meeting. The faculty reserves the right to limit or to disband any such organizations.

Sixth. The following classes of students are eligible to membership in any fraternity or sorority:

(a) All regular college students having the minimum of 30 college hours and 30 quality credits, excepting those who have not passed all their work for the quarter preceding initiation.

(b) Faculty approval for initiation will be conditioned upon *grades* as well as hours credit.

(c) In order for a student to be eligible for initiation, his number of quality credits must equal the number of hours attained, for any above minimum sophomore standing.

NOTE: (1) Fraternities and sororities must have faculty consent to initiate any student.

NOTE: (2) All freshmen must have been in residence two weeks before being promised or pledged to any fraternity. All fraternities must observe this rule literally and rigidly.

NOTE: (3) The membership of each fraternity is limited to 35.

Seventh. No student will be allowed to deliver the same oration in more than one contest. This does not apply to inter-collegiate contests.

Eighth. Students must be quiet and orderly in the boarding houses, and thoughtful of the rights of others. Going to town during study hours or at nights is disorderly and is therefore forbidden. Occasions may arise which justify a seeming violation of this rule. Young men are put on their honor, but subject themselves to being called to account for being out of room or being seen in town enough to arouse suspicion in the minds of friends.

Ninth. While the faculty cannot assume full responsibility for boarding students not on the campus, it reserves the right to make such regulations at any time as may seem advisable, and the violations of the regulations on the part of a student will deprive him of the privileges of the school.

Tenth. The faculty will deal with all of the student organizations in the matter of discipline as with individuals.

Discipline in the Halls

A breakage deposit is required of every student. This deposit will be returned at the close of the year less any claim for damage.

All students on entering any of the halls, voluntarily and tactily agree to obey all rules of conduct and deportment that govern the halls.

Adams Hall has Student Government under the direction of the superintendent of the hall.

NOTE: It sometimes happens that a student's presence in a hall is inimical to the best interests of the hall, and yet specific charges are difficult or embarrassing to make. Sometimes it is an accumulation of minor things which, taken separately, appear trivial. Sometimes the charges may be too serious to be openly preferred. In all such cases the interests of the hall as a home and sometimes of the individual himself, demand that he change boarding places. Therefore, the school in assigning rooms hereby explicitly reserves the right to cancel the reservation either before or while the student occupies the room without preferring any specific charge whatever. Only in such cases is room rent ever refunded. Students may petition for one's removal without stating charges, or of having their names known to any except the President and the hall superintendent interested.

Religious Life

On another page we mention the emphasis placed upon the training of the body. It is not necessary to mention the emphasis upon the training of the mind. But we would emphasize the fact that we are anxious not to neglect the training of the spirit, the cultivation and development of the moral and religious nature. In chapel exercises, in class rooms, in every relation where the occasion arises, something is said or done to remind the student that, after all, the religious life is best; that the Bible is true, and that life is only worth living which is ordered according to its precepts.

There are several religious organizations among the students:

First. The J. R. Graves Society, exclusively for young ministers, which meets every Friday afternoon for discussion of religious topics. This society has made a wonderful contribution to the religious development of the South.

Second. The B. S. U. (Baptist Student Union) Council, which has general concern for the religious activities of the school.

Third. The Y. W. A., which meets weekly, has been A-1 for several years. At times the membership has passed one hundred.

The students conduct a weekly prayer meeting in their halls, and a twenty-minute prayer meeting each day at noon in the J. R. G. Room.

A revival is conducted each year at some time during the session.

Awards

The Zeta Tau Alpha Award of fifteen dollars to the senior of the June class graduating summa cum laude.

The Chi Omega Award of fifteen dollars to the non-Chi Omega girl who makes the best record in Sociology.

The Charles H. Strickland medal, established by Mrs. C. H. Strickland for the best orator in the senior class. This is an endowed medal.

The Elizabeth Tigrett medal, founded by I. B. Tigrett in honor of his mother. It is awarded to the senior who has, in the opinion of the faculty, made the best record during the four years in college. Scholarship and usefulness in student activities are tests emphasized. The student must be a member of some literary society or literary club. This medal carries with it the highest honors of the senior class.

Summer School

The summer school is a regular fourth quarter of the college. Many students continue in school through the four quarters in order to graduate in three calendar years.

Special summer school bulletins are issued regularly which give detailed information in regard to the courses offered, rates, and special information, also concerning the spring and fall six weeks terms.

*Saturday Classes

Through the fall, winter, and spring quarters we offer special residence courses on Saturdays. These courses are the equivalent in every respect of similar courses offered at the same time to students in residence. The State Department of Education permits teachers while teaching to take a maximum of six hours of such work per quarter and

*Discontinued for duration of war.

allows this to count as six weeks of residence work toward a certificate, new or renewal.

The Opening

The formal opening of the University will take place at 10:00 A. M., Wednesday, September 13. It is desired that all applicants consult with the faculty on Monday and Tuesday, September 11 and 12, as to their entrance qualifications and their registration. All freshmen will meet in the college chapel at 10:00 A. M., Monday, September 11, for instruction prepartory to registration and the beginning of college activities.

Student Organizations and Activities

The University is not responsible for any financial obligation incurred by a student organization, student, member of faculty, or employee unless authorized by the President or Business Manager in writing.

Student Activity Association

This organization finances practically all of the calls that would ordinarily be made on the student body for such things as flowers for sick students and for funerals, expenses of represenatives to student conventions, games, entertainments, etc.; so that there are no collections taken at chapel or among the students for such things.

Athletic Association

This association promotes and fosters teams and games in football, basketball, track and tennis. It stands for and insists upon clean and wholesome athletics and has maintained very high standards. Through its high standards and influence, young men are toned up in their moral character and ideals, and even in their religious views.

Union is a member of the Southern Inter-Collegiate Athletic Association (S. I. A. A.) and observes all the rules and regulations of that Association.

Student Publications and Clubs

**Cardinal and Cream*

This is a bi-monthly college paper edited and published by the students and is a bright, breezy, readable paper. Sample copies will be sent upon request.

**"Lest We Forget"*

This is a beautiful year book, well bound, and issued every year by the students. It is a volume always greatly prized by the students, and one that grows in value with the passing years.

Literary Societies

G. M. Savage: For men.
Enonian: For women.
Euphrosynean: For women.

Nestor

This is a special literary club of upper classmen consisting of thirteen members, one of whom is a member of the faculty, and is organized to promote special scholastic interest and attainments. When a vacancy is caused by the graduation of some member, a new member is elected his successor from the upper classmen.

Hypatia

This is a literary, dinner-club of upper class girls, limited to sixteen in number, and the Head of the English Department as sponsor. It is intended to train the girls for success in such clubs after they leave school.

The Rutledge History Club

This is a dinner-club composed of ten young men and young women who are either history majors or are interested in the cultural value of the study of history. Members of the history staff sponsor it.

The W. A. Owen Law

This club is composed of pre-law students and functions only when there is sufficient demand for it. It is sponsored by the History Department.

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*Discontinued for duration of war.

The Palladian Breakfast

This club endeavors to carry on the ideals and traditions of the Palladian Literary Society which was organized over fifty years ago. It is a literary club composed of fifteen young women. The sponsor is elected annually when the officers are chosen.

Tri-V

The Tri-V Club, composed of upper class girls, is limited to fifteen. The club provides an opportunity for special study and training for leadership in the fields for Home Economists.

Home Echo

The Home Echo Club is composed of freshmen and sophomore girls who have made an average of B in their Home Economics courses. The purpose of the club is to provide group study in the field of Home Economics.

Latin Club

Fifteen young women and men, sponsored by a member of the faculty, compose this club, which is both literary and social. Only students making a B average in Latin may belong. The purpose of the club is to grow in the knowledge of Latin and its background.

Kardinal Key

Kardinal Key Klub, composed of seventeen students and a faculty sponsor, has as its purpose the promotion of school spirit in all student activities.

A. D. S.

The Active Democratic Students Club is composed of non-fraternity students who believe in the democratic way of life and who undertake to practice this principle of social organization in school living. All students except members of social fraternities are eligible for membership in the Club.

Fraternities and Sororities

Union has five national fraternities—Alpha Tau Omega, Sigma Alpha Epsilon, Chi Omega, Zeta Tau Alpha, and Tau Kappa Alpha. The last named is an honorary forensic

fraternity. They have their own special activities and functions, and add variety and charm to the college life.

Debating

The debating of Union is under the direction of a faculty debate sponsor. The varsity team, selected in competitive tryouts, meets teams from other colleges in single contests and in various tournaments. Each member of the regular team receives three hours' college credit for a year's participation in this activity.

EXPENSES

THE school year is divided into four quarters, both for the readjustment of classes and for the payment of fees. The amounts designated below are due and payable at the beginning of their respective quarters. Tuition is NOT charged by the month, but by the year, the amount for the year being divided according to the quarter for convenience.

ALL fees *must* be settled with the Bursar before a student will be enrolled in any class. The student who cannot pay cash must see the Bursar and make satisfactory arrangements before entering classes, just as those paying cash.

A small laboratory fee is charged each student who works in the laboratory, to cover the cost of reagents consumed.

By a recent ruling of the Board of Trustees, only ministers who actually need assistance will be given free tuition. Application for such aid must be made by the young minister and passed on by a committee. All students who receive financial aid from the University must room and board on the campus.

No boarding students will be allowed to carry fewer than fourteen hours' work, except upon advice of a physician.

Condensed Table of Expenses

One Year of Three Quarters.
(Payable in three installments)

	Cash 1/3 at 1st of each Quarter
Tuition (three quarters)* and all fees except Laboratory	$150.00
Board (three quarters)**	198.00
Room Rent (minimum) (three quarters)	45.00
College Annual Fee***	(4.50)
Total for the year	$393.00
Amount to be paid each quarter	$131.00

Remarks: A carrying charge of 5% will be added to the above if not paid within five days after due.

In calculating the total cost for the year, from the table

on page 26, students will add such fees as are listed on pp. 27-29.

He will add, if rooming in halls, five dollars breakage deposit and one dollar key deposit.

Books, laundry, and personal expenses are not included.

Books and stationery (estimated) vary from $15 to $30 a year. Laundry, from $15 to $30 a year.

If higher priced rooms are wanted, the difference must be added.

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*The above tuition rate is based on 16 quarter hours. For each credit hour in excess of 16 the charge will be $2.50 per credit hour.

**This price may be revised any quarter according to food prices. Write for Bulletin.

***This is collected for the student body. Its payment is not compulsory.

Tuition, Special Students

Tuition for those taking less than a full course, $4.00 per credit hour for first three hours (includes all fees except lab. fees). For second three hours, $3.50 per credit hour. For third three hours, $3.00 per credit hour. Full rates for all above.

Checks on parents can be received only when they are accompanied by written permission from parents.

Laboratory Fees

FOODS AND NUTRITION

100	Food Preparation	$ 3.50
101	Elementary Nutrition	2.00
102	Meal Planning and Table Service	3.50
103	Food Craft for Men	2.00
215	Food Preparation and Cookery	5.00
216	Meal Planning and Table Service	5.00
217	Dietetics, per term	4.00
219	Institutional Cookery and Management	5.00
315	Nutrition	2.50
316	Dietaries	3.00
317	Advanced Nutrition, per term	3.00

HOME MANAGEMENT

224 and 416 Home Management House.

Room Rent, $19.00, and House Fee (board, laundry, lights, water, etc.) $6.00 per week.

221	Home Nursing	$ 2.00
223	Child Development	2.00
415	Home Management	1.00
419	Household Equipment	1.00

Textiles and Clothing

116	Textiles	$ 2.00
117	Elementary Clothing	1.00
118	Clothing Selection	1.00
222	Applied Design for Children	2.00
406	Advanced Dress Design	1.00
407	Special Problems in Clothing Design and Construction	2.00
408	Experimental Cookery	5.00

Related Art

115	Art and Design	$ 1.00
205	Applied Design	1.00
318	Costume Design	1.00
319	House Architecture	1.00
320	Interior Decoration	2.00
321	Advanced Clothing	2.00
410	Art Appreciation	1.00

Geography and Economics

	All Geography Courses	$ 1.00
105	Economics	1.00
304	Economics	1.00
305	Economics	1.00
306	Economics	1.00
404	Economics	1.00

Education and Psychology

403	Observation and Teaching in the Elementary School	$ 7.50
404	Observation and Directed Teaching in the Secondary School	7.50
201	General Psychology	1.00
215	Teaching of Geography	1.00

Modern Languages

Elementary French, payable at registration for 101	$ .50
Intermediate French, payable at registration for 204	.50
Elementary German, payable at registration for 101	.50
Intermediate German, payable at registration for 204	.50

Elementary Spanish, payable at registration for 101	.50
Intermediate Spanish, payable at registration for 204	.50

Other Fees

Chemistry, Elementary Laboratory	$ 5.00
Chemistry, Advanced Laboratory	7.50
Breakage Deposit	5.00
Biology and Physics, per course	3.00
Physics, Breakage Deposit	3.00
Surveying, per course	1.00
Typewriting	4.00
Physical Education	3.00

Graduation Fees

College Department	$10.00
Music Department Certificate	5.00

Room Rent

(Each person)

	Each Quarter
Adams Hall, East Wing	$15.00
Adams Hall, West Wing	$15.00 to 18.00
Girls' Halls, for one-window room	15.00
Girls' Halls, for two-window room	17.00
Girls' Halls, for three-window room	18.00
Girls' Halls, for four-window room	19.00

Room Reservation—We have a limited number of rooms, and for the past several years they have been engaged before the opening of school. This has necessitated our requiring a reservation fee of $10, *which is not refunded,* but transferred to room deposit when student enters.

NOTE: Any student rooming on the campus who vacates his room before the end of the year must serve written notice two weeks in advance of vacating in order to claim his five-dollar room deposit.

Heat and Lights

Students rooming in the halls, but taking meals off the campus, will pay additional for water, heat and lights, as follows: Fall quarter $8, winter quarter $10, spring quarter $8. Each summer term $4. These rates also apply to the girls doing their own cooking. These fees are charged because the cost of heat, water and light is charged in the account for board, and not in the account for room rent. Those eating at the Tea Room will get a proportional refund on this charge on their meal tickets. Ask Bursar for details.

Saturday Classes

Tuition and Fees—$3.50 per credit hour for all classes.

Tuition in Fine Arts

	Each Quarter
Piano (Advanced, under director)	$ *
Piano (Intermediate, under director)	27.00

Voice—write for rates.

Composition and Advanced Theory

Private Lessons	$10.00
Harmony (in class)	8.00
Musical History	8.00
Expression (private lessons)	20.00
Piano Rent, one hour a day, each	6.00
Additional hour a day	2.00

Students enrolled in Fine Arts Department only, will not pay a matriculation or student fee, but will pay registration fee of one dollar.

Late Settlement Fee

A late entrance fee of $1.00 will be charged those not completing their enrollment through the Bursar's office by the third day of any term, and 25 cents for each additional day.

Re-Enrollment Fee

Any student enrolling for only the first six weeks at the beginning of any quarter and re-enrolling for the second term later, will be charged a re-enrollment fee of $2.00.

Change of Classes

No change can be made without the written consent of the Professor or Professors concerned, and the Dean, and the permit must bear the Bursar's stamp. Any student who makes a class change without a change card properly filled in, and filed with the Bursar at the beginning of the term, shall not receive credit for the work of the course in question, even if claim is made at the close of term. These fees may be remitted where changes are made upon the recommendation of the Dean or President, or if necessitated by any changes made in the program by the Dean. Fees remitted only upon the OK of the President or Dean.

No change may be made in six weeks classes after the fifth day of the term. No change may be made in twelve weeks classes after the seventh day of the term.

Dropping of Classes

A course running through the quarter may not be dropped after the third week, and a six weeks term course may not be dropped after one and one-half weeks. Dropping of classes requires the same permission on change card as indicated in the change of classes above.

Refunds

Room rents, matriculation fees, student fees, maintenance fees, and room reservation fees *are never refunded.* Board is refunded for absence of even weeks, no fractions of a week considered. No refunds may be claimed for board for the last week of any term.

Tuition is refunded in the Literary Department, provided that no refund will be considered for less than one month's absence in any term, and full month's tuition will be charged for any fraction of a month that the student may be in attendance, and provided further that no refund of tuition whatever will be made when student is forced to withdraw from school for disciplinary reasons. Students in refusing to conform to the disciplinary rules of the school forfeit all claims for refunds.

No refund will be made for reduction in number of credit hours after two weeks of term has elapsed.

The claim for refund will be considered only from the date Bursar is notified in writing of absence. Where possible the Bursar should be notified in advance. No claim may be made for time preceding such notification. Reasons for these rules are obvious.

Any student rooming on the campus who vacates his room before the end of the year must serve written notice two weeks in advance of vacating in order to claim his room deposit.

All athletic equipment issued to the students must be returned by them to the equipment man for credit. Otherwise, it will be charged against their accounts and they will be required to pay for it.

It will be observed that all of the above rules and regulations put the responsibility upon the pupil. He saves money by seeing the President and Bursar immediately.

Deposit Fees

Every student entering one of the boarding halls must deposit a breakage fee of $5.00, and a key deposit of $1.00. Students in Chemistry will deposit a breakage fee of $5.00. These deposit fees will be returned to the student upon leaving college or at the close of the year, or upon return of articles, less any loss or damage charges.

Loan Funds

Walter Gray Fund

In August, 1918, Mrs. Sallie Patrick of Collierville, Tennessee, gave the University a sum of money to be used as a fund to be loaned to worthy students in memory of her deceased son, Walter Gray. The trustees accepted this and named it the Walter Gray Fund. In the first year it enabled nine of the best students in college to continue through the year. Most of them have since graduated and are holding good positions. Mrs. Patrick was so well pleased with the results that she later visited the college and added another thousand dollars to the fund. She left in her will $1,000 for this fund, which has now assisted about forty young people. This fund now amounts to nearly $3,000.

The Betty Sevier White Memorial Fund

The Betty Sevier White Memorial Fund was established in January, 1919, by her husband, Mr. Henry White, and son, Henry White, Jr., of Jackson, Tennessee. The establishment of this fund is a beautiful and worthy tribute to the one who had been so active in her church life and in her interest in young people.

Lanier Fund

In September, 1920, Mr. W. J. Lanier brought to the President's office, $1,500 in bonds, requesting that it be used in assisting worthy students, establishing a fund in memory of his father and mother, Mr. and Mrs. J. P. Lanier, and daughter, Rubie Marie. Mr. Lanier has later made additions to this fund.

The W. H. Nichols Fund

In April, 1921, Mr. W. H. Nichols of Kenton, Tennessee, established a fund to be loaned to young ladies studying for missionary work. Mr. Nichols was touched by the fact that while there has been much done for the education of young preachers, there has been no fund of this kind to assist missionary girls.

The L. J. Brooks Fund

In May, 1921, Dr. L. J. Brooks of St. Louis, an alumnus of West Tennessee College (now Union University), established a fund of $500 in grateful recognition of his interest in his Alma Mater, and in young people who have to struggle, as he did, in getting through college.

The Waldrop Brothers Fund

In April, 1922, Messrs. Homer and Floyd Waldrop, students in Union University, realizing the need and value of such funds, upon conditions accepted by the trustees, established a fund of $500—a worthy monument to two worthy students.

Ministerial Loan Fund

The University receives about $1,000 annually from the Baptist State Executive Board, which is loaned to young ministers.

Class of 1922-23

The class of 1922 established a fund of $1,000 as a class memorial. It was their hope that other classes would follow their example, which in the course of a few years would establish sufficient funds to afford every worthy student the opportunity of a college education.

The class of '22 was not disappointed, for the class of '23 followed their example and established a fund of $570. There can be no greater testimony of the value of loan funds than the fact that our present student body is so impressed as to establish such funds themselves.

H. C. Sanders Fund

Because of his deep interest in Christian Education, Dr. Sanders has set up a Loan Fund for worthy young men and women, which now amounts to $1,000.

The Crump Fund

Mrs. W. O. Crump, of Memphis, being impressed with the possibilities of loan funds for rendering a great service to worthy young people, and through them to the world, has started a fund with $200.

Other Funds

Certain Sunday School classes in the First Baptist Church, Jackson, The Men's Sunday School class of the First Baptist Church, Clarksville, the West Jackson Church, and the W. M. U. of Central Association are laying the foundations of splendid funds which have made it possible for several students to remain in school. The late Miss Mabel Edenton established a fund of several hundred dollars. A special friend of '27 is establishing a fund by monthly contributions.

Still other funds established by individuals and organizations are: Cox Ministerial, Crook, Chi Omega, M. Edenton, Guy C. Hall, Eugene Johnson, Metz, Missionary Girls, Prescott Memorial, and Zeta Tau Alpha.

The Hall-Moody-I. N. Penick Loan Fund

The Trustees of Hall-Moody Junior College have transferred to Union University the loan funds that have been donated there, amounting to something more than $5,000, this fund to bear the name indicated. This fund is represented at present almost entirely by notes of Students of Hall-Moody to whom it has been loaned. It will become available for students in Union as the notes are paid.

Rules and Regulations

The above funds, except those designated otherwise, are let out under the following regulations: First, funds are available to students who have demonstrated their real worth in college. Class records and deportments in general are considered. They must be recommended by all of their teachers. Second, six per cent interest is charged. Third, at present, owing to the limited amount at our disposal, we must limit the amount loaned to any student to one hundred dollars a year. Fourth, students who do not have insurance protection or property must offer approved security.

Form of Will

I, ..., hereby will and bequeath to Union University, Jackson, Tennessee,..... ..... to be used as follows:.....

(Signed) .....

Place and Date.....

Witness:.....

THE COLLEGE

Entrance Requirements

For admission to the Freshman class in any regular course leading to a degree, a pupil must offer fifteen units. A unit means a high school course of one scholastic year.

English	3
*Mathematics	2
†One Foreign Language	2
History	1
Science	1
Electives	5½
Total	15

A student deficient in one or more units will not be considered a regular college student until these deficiencies are made up.

When a student has the required number of entrance credits but is deficient in some required subjects, as, for example, one-half unit in Mathematics, he may make up the deficiency by electing an equivalent amount of extra college work in that department.

What May Be Offered

And the Maximum Amount of Each

English Composition, Grammar and Rhetoric	2
Literature	2
Algebra to Quadratic Equations	1
Algebra—High School Algebra Completed	1
Plane Geometry	1
Ancient History	1
Modern History	1

*If plane geometry is not offered, it must be taken before any other mathematics.

†May be met by taking one year of a foreign language in college for credit.

English History	1
American History and Civics	1
*Latin—Grammar and Composition, Caesar, Books I-IV	1
Six Orations of Cicero	1
Virgil's Aeneid, First Six Books	1
*Greek—Grammar and Composition	1
Xenophon's Anabasis, Books I-IV	1
German—Elementary Grammar and Reading	1
Elementary Grammar and Composition	1
French—Elementary Grammar and Reading	1
Elementary Grammar and Composition	1
Science—Physiography, with field work	1
Physics	1
Inorganic Chemistry, with laboratory work	1
General Science, with laboratory work	1
Domestic Science	1
Domestic Art	1
Botany, with laboratory work	1
Zoology, with laboratory work	1
Agriculture, with laboratory work	2
Physiology	½
Bible (if done under accredited teacher and equivalent to a full year of literary work)	1
Music (upon satisfactory examination on at least two year's work)	1
Manual Training	2
Commercial Subjects	2
Spanish	2
Military Training or Expression	1

Entrance Certificates

Students must give evidence of being able to do college work before admission to classes, and an official transcript must be filed before October 1. Students entering at other than the first term, must present transcripts within reasonable time. It is much preferred that these transcripts be filed with the entrance committee on or before entering. Blanks will be furnished upon request.

Students entering from non-accredited high schools will be required to take entrance examinations before enrolling for any type of college work.

Advanced Standing

Students desiring advanced standing should have credits sent before entrance if possible; but they must be received by October 1, and must be approved by the heads of the departments concerned.

GENERAL REQUIREMENTS FOR GRADUATION

THE total number of quarter hours required in each group is 192. Credits are determined by quarters; one credit hour means one hour of class work a week in a single subject throughout a quarter. The school year is divided into three quarters, so that the above requirement is equivalent to 64 year hours or 128 semester hours.

NOTICE: *Time is required as well as hours credit. A minimum of ten and one-half quarters of residence are required for graduation. Students can not enter six-weeks classes later than the third day, nor twelve-weeks classes later than the fifth day.*

In each group a certain number of electives may be taken from any of the regular college courses offered, but must be other than those required in that particular group. However, the wise student will always finish his required work first. Failure to do this frequently forces students to do more than 192 hours in order to graduate.

Credit for work done in the Fine Arts Department can be counted up to a total of 30 quarter hours as elective in a Liberal Arts course.

All students are discouraged from offering just one year in language, but may do so for special reasons satisfactory to the Dean.

The maximum number of hours allowed in any one subject shall be fifty-four.

Any student leaving a required freshman subject until the senior year shall receive one hour less credit each quarter for the delayed work.

At the beginning of his junior year each student is required to choose the department in which he wishes to major, and then to consult the head of that department regularly in selecting the courses of study to be pursued. The student will be permitted to change to another department only by the consent of a committee consisting of the dean and the two professors involved.

In his senior year he will be required to attend a seminar given in his department, (science department excepted) which will meet not fewer than twelve hours. At the completion of

his seminar he must take a comprehensive examination and be approved by his major professor.

Grading System and Quality Credits

All work is graded by letters which may be interpreted in percentage figures as follows: A 95-100, B 85-94, C 75-84, D 65-74, F below 65. A, B, C, and D are passing grades, F is failure. A failure can only be removed by taking the course over again in class. P, indicating incomplete work, or absence from examination by excuse, must be made up within the next quarter of the student's residence; otherwise the incomplete grade becomes a failure.

For graduation a student must present a minimum of 192 quality credits, in addition to the regular 192 hour credits. When more than 192 hour credits are presented, the number of quality credits must equal the number of hour credits. It is not enough to have the required number of credits; they must be of standard quality. The system of quality credits is as follows:

Three quality credits are given for each credit hour of "A" grade, two quality credits for each credit hour "B" grade, one for grades of "C", and none for grades of "D". Two quality credits shall be subtracted for each hour "F" grade.

NOTE: A student failing on half of any quarter's work will be warned. If he does not improve in the succeeding quarter, he will be asked to withdraw from school.

Honor Students

Students making an average of 2.5 quality credits for each hour of credit, which is half-way between "A" and "B", during their college course, graduate as honor students, *cum laude;* the one ranking highest, with *summa cum laude,* and the three ranking next below the highest, with *magna cum laude,* provided all are above the required 480 quality credits.

Class and Chapel Absence Rules

During any one quarter four chapel absences will be allowed without any penalty. All above this number will carry the penalty of the subtraction of one-half quality credit each.

Students enrolled for only six weeks will be allowed two chapel absences without penalty.

If during a quarter or term the number of absences, above the number allowed without penalty, in any course exceeds the number of times per week which that course meets, the student, on recommendation of the instructor, will be required to withdraw from the course.

If the number of absences from chapel exceeds 25% of total chapel meetings for the term or quarter, the student will be automatically suspended. This rule does not apply to members of teams absent as representatives of the school; in such cases, absences from chapel and classes are not counted except that work must be made up.

Classification

College students will be classified as follows:

(a) A student will be classified as a freshman who has no conditions required for entrance and is carrying at least twelve hours of freshman work in the fall quarter.

(b) A student will be classified as a sophomore who at the beginning of the fall or winter has at least 36 hours of college work to his credit, 36 quality credits.

(c) A student will be classified as a junior who at the beginning of the fall quarter has at least 84 hours to his credit, 84 quality credits.

(d) A student will be classified as a senior who at the beginning of the fall quarter has at least 129 hours.

NOTE: Nothing in these requirements may prevent a student's changing to a higher class the last quarter of the year, provided he has made up his deficiencies by that time.

Medical Examination

At the beginning of every school year, each student must present a medical certificate signed by a qualified physician. This statement must show that the student is free from communicable diseases and physically able to do college work.

This is required for the protection of the individual as well as the entire group.

Degrees Offered

The University at the present is offering but two degrees—Bachelor of Arts and Bachelor of Science. The requirements for the Bachelor of Arts degree are indicated in the table of majors and their prescribed minors as given on pages 42 ff.

For the Bachelor of Science degree the student must major in science, or he may substitute science for the two years of foreign language. The requirements for the two degrees, B. S. and A. B., are otherwise the same.

Remarks

No student may receive a degree who has not had at least three quarters in residence at Union. All of the work of the last quarter must be taken in residence.

Students are not allowed to graduate who by taking extra hours have shortened their college courses by more than one and one-half quarters.

A student may have two bachelor degrees (e. g., Bachelor of Arts and Bachelor of Science,) conferred when the requirements of both have been fully met, provided that he has not fewer than forty-five hours to offer, over and above that required for the first degree.

Applications for enrollment in the section of the Senior Class graduating in May should be filed in writing with the Dean not later than the beginning of the winter quarter. August seniors must have their applications finally passed upon in the first summer term.

No one will be considered a member of the Senior Class until passed upon by the faculty in session. All conditions must be removed by the opening of the last quarter. No one with conditions may have his name appear on the class announcements without special permission by the faculty. Those who enter their last term with no conditions may be excused from final examinations, provided they have been faithful in their work and make "excellent" on their daily grades for the term. This rule does not apply to freshman

subjects taken in the senior year, nor does it exempt in the spring quarter those who are to graduate in the summer quarter.

Preparation for Graduate Work

Students planning to continue their studies in graduate schools after leaving Union will do well to have the Dean or President advise with them in planning their undergraduate work to fit in with the requirements of the graduate school. This will require that the student select the graduate school he wishes to attend and the fields in which he wishes a major and minor, and to do the work required in those fields by the school or schools selected. Failure to do this has caused many students embarrassment and much loss of time with its accompanying expense in making up the undergraduate courses prescribed as prerequisites in their major and minor graduate courses. A reading knowledge of French and German is usually required in the graduate school.

Scholastic Requirements for Graduation Plan of Majors and Minors

The requirements for the bachelor's degree from the College of Arts and Sciences are 192 quarter hours credit, not fewer than 192 quality credits, earned in accordance with the plan hereinafter set forth:

Regular Plan of Work

The completion of 192 hours usually requires four years, at the rate of 48 hours per year. Of these the first or freshman year is spent in general or introductory work, comprising courses in several departments and in widely separated subjects. During the second, third and fourth years, the student may combine his work within certain comparatively narrow limits. The plan of the entire four years' work is known as the "major elective system." It consists of three parts: I, prescribed freshman work; II, major and minor subjects; III, electives.

I. Prescribed Freshman and Sophomore Work:

1. On entering college a student who is a candidate for the A. B. degree is required to take in his freshman year the following subjects: Freshman English, 9 hours; one Foreign Language, 9 to 12 hours according to amount of credit offered; 9 hours of Freshman Mathematics, namely 3 hours of Plane Trigonometry, and 6 hours of College Algebra; Bible or Religious Education, 6 hours.

2. Students who are candidates for the B. S. degree may substitute 18 hours work in mathematics and science above the specifically required science and mathematics in lieu of the two years foreign language required for the A. B. degree. A person desiring a B. S. degree and who has not satisfied the entrance requirement for foreign language must make up the deficiency in addition to the above work.

3. Not fewer than 9 hours of religion, 3 hours of hygiene or human physiology, a year of a laboratory science, and 18 hours of English including freshman and advanced composition are required for graduation in all courses.

4. Exemptions: Four or more entrance units of foreign languages, two of one and two of another with one additional year in one of these in college, will satisfy the language requirement.

Majors and Their Prescribed Minors

Biology B. S. Degree

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
Science	
Chemistry	12 hours: freshman chemistry.
Physics	12 hours.
Biology	36 hours.
Religion	9 hours: may include Old and New Testament, and Religious Education.

Social Sciences	12 hours: may include History, Political Science, Sociology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

CHEMISTRY B. S. DEGREE

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
Science	
Chemistry	36 hours: including freshman work.
Physics	12 hours.
Biology	11 or 12 hours.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Social Sciences	12 hours: may include History, Political Science, Sociology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

COMMERCE A. B. DEGREE

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	9 hours: 3 hours plane trigonometry, 3 hours college algebra, and 3 hours of statistics or 3 additional hours of college algebra.
For. Language*	2 complete years.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours credit.

*If a B. S. degree is desired, 18 hours of elective Science or Mathematics may be substituted for the two years of Foreign Language. This is interpreted to mean 18 hours over and above the required Science and Mathematics already listed.

Religion	9 hours: may include Old and New Testament, and Religious Education.
Commerce	
Major	36 hours: may be Business Administration, Economics, or Geography.
Minor	18 hours: to be elected from the two fields in Commerce other than that of the major.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

Education A. B. Degree

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
For. Language*	2 complete years.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours of credit.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Social Sciences	12 hours: may include History, Political Science, Sociology.
Education	36 hours: may include 9 hours of Psychology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

English A. B. Degree

English	36 hours: this must include 9 hours freshman composition and 3 hours advanced composition.

*If a B. S. degree is desired, 18 hours of elective Science or Mathematics may be substituted for the two years of Foreign Language. This is interpreted to mean 18 hours over and above the required Science and Mathematics already listed.

Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
For. Language	2 complete years.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours credit.
Religion	9 hours: includes Old and New Testament, and Religious Education.
Social Sciences	12 hours: to include 9 hours of History and 3 hours to be selected from Political Science, Sociology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

History A. B. Degree

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
For. Language*	2 complete years.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours credit.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Social Sciences	12 hours: may include Political Science, and Sociology.
History	36 hours: may include freshman history.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

Home Economics B. S. Degree (General Course)

English	18 hours: 9 hours freshman composition,

*If a B. S. Degree is desired, 18 hours of elective Science or Mathematics may be substituted for the two years of Foreign Language. This is interpreted to mean 18 hours over and above the required Science and Mathematics already listed.

	3 hours advanced composition, 6 hours in survey courses.
For. Language	2 years (or two years Mathematics and Science over and above the required Science already listed, or two years of History.)
Science	
Chemistry	1 year for those majoring in clothing and Home Management. 2 years: includes freshman and organic for those majoring in Nutrition and Dietetics.
Biology	9 hours: includes 101 or 104, 206, and 210.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Education	27 hours: for those who wish to teach. 12 hours including 201, 208, 209 or 210, and 212 for those who do not plan to teach.
Economics	6 hours: 201 and 203.
Home Economics	36 hours: 12 hours in clothing including 116, 318, 321; 12 hours in foods including 101 or 315, and 216; 12 hours in home management including 221, 223, 320 and 415.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

HOME ECONOMICS B. S. DEGREE (Dietetics Major)

The requirements for those majoring in Dietetics are the same as for those taking the General Course with the following exceptions:

15 hours: Foods and Nutrition.
9 hours: Education including 201, 210, and 212.
18 hours: Biology including 101 or 104, 206, 207, and 210 or 211.

FRENCH OR SPANISH A. B. DEGREE

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.

Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
For. Language	
Major	39 hours: may be French or Spanish.
Minor	2 years of another foreign language, or one additional year of English, or 4 years of high school Latin.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours credit.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Social Sciences	12 hours: may include History, Political Science, Sociology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

MATHEMATICS B. S. DEGREE

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.
Mathematics	36 hours.
Science	
Chemistry or Biology	12 hours.
Physics	12 hours.
Religion	9 hours: may include Old and New Testament, and Religious Education.
Social Sciences	12 hours: may include History, Political Science, Sociology.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

RELIGION A. B. DEGREE

English	18 hours: 9 hours freshman composition, 3 hours advanced composition, 6 hours in survey courses.

Mathematics	9 hours: 3 hours plane trigonometry, 6 hours college algebra.
Science	1 year: to be elected from the following: Chemistry, Physics, Biology. One year is interpreted to mean 3 full courses regardless of the hours credit.
Religion	36 hours.
For. Language	2 complete years.
Social Sciences	18 hours: 9 hours in Sociology and 9 hours in History.
Hygiene	3 hours: may be met by Health 413, Biol. 210 or 211.

An A. B. degree *only* may be obtained with the following majors: English, French, and Religion.

A B. S. degree *only* may be obtained with the following majors: Biology, Chemistry, Home Economics, and Mathematics.

Either degree may be obtained with the following majors: Commerce, Education, and History.

Not more than 36% of the total amount of credit offered for graduation shall be freshman courses.

New Plan—Divided Quarters

After the successful experiment of dividing the spring and summer quarters into six weeks terms, we have decided to similarly divide the fall and winter quarters. This means that the classes will recite daily and most of the courses will be finished in six weeks instead of twelve, the students taking just half as many courses. This will enable us to start new classes in the middle of the fall and winter quarters as indicated on the calendar page.

The work will still be run on the quarter basis. Students entering at the beginning of the quarter will make out their programs for both terms of the quarter.

Pre-Professional and Professional Courses

TWO-YEAR BUSINESS COURSE

First Year		*Second Year*	
English 100-101-102	9 hrs.	English	9 hrs.
Economics 105	3 hrs.	Accounting	9 hrs.
Mathematics 101-102	6 hrs.	Political Science 201-2-3	9 hrs.
Commercial Law	9 hrs.	Economics 201-2-3	9 hrs.
Geography 100-210-211	9 hrs.	American History	9 hrs.
Introduction to Business	3 hrs.	Shorthand	3 hrs.
Typewriting	3 hrs.		
Commerce Elective	6 hrs.		

ONE-YEAR PRE-DENTAL COURSE

English (Composition and Rhetoric) ..... 9 hours
Physics ..... 9 hours
General Chemistry ..... 12 hours
General Biology (or Invertebrate Zoology) ..... 11 or 12 hours

TWO-YEAR PRE-ENGINEERING COURSE

Freshman Year		*Sophomore Year*	
Mathematics	15 hrs.	Mathematics	12 hrs.
English 100-101-102	9 hrs.	Physics	12 hrs.
Chemistry	15 hrs.	Foreign Language	9 hrs.
Foreign Language	12 hrs.	Electives	12 hrs.

NOTE: These courses may be varied somewhat according to the kind of engineering desired.

TWO-YEAR HOME ECONOMICS COURSE

First Year	*Second Year*
Art 115	English 202, 203, 206
English 100, 101, 102	Chemistry 104, 105, 106
Textiles and Clothing 116, 117, 118	Foods 215, 216
Foods and Nutrition 100, 101	Home Nursing 221
Electives 9 hours	Clothing 222
Physical Education	Psychology 201, 210, 212
	Electives 9 hours

Electives must be courses other than Home Economics. Students desiring to take Education may do so upon the recommendation of the head of the Department of Education and of Home Economics.

TWO-YEAR PRE-LEGAL COURSE

First Year		*Second Year*	
English 100-101-102	9 hrs.	English	9 hrs.
History or Sociology	9 hrs.	American History	9 hrs.
Science or Math	9 hrs.	Economics 105, 201-2-3	12 hrs.
Commercial Law	9 hrs.	Political Science 201-2-3	9 hrs.
Foreign Language	12 hrs.	Foreign Language	9 hrs.

TWO-YEAR PRE-MEDICAL COURSE

First Year		*Second Year*	
Chemistry 101-102-103	12 hrs.	Chemistry 307-308-309	12 hrs.
Mathematics 101-102-103	9 hrs.	Physics	12 hrs.
Biology	11 or 12 hrs.	French or German	9 hrs.
French or German	12 hrs.	Biology	9 hrs.
English 100-101-102	9 hrs.	Embryology	3 hrs.
		Comparative Anatomy	3 hrs.

REMARK 1. All students who complete the Pre-Medical Course and do one additional year of prescribed work in residence in Union University before entering a medical school may receive the A. B. degree upon completing one year in an approved Medical School. The work must be certified to Union University by the first of April preceding the commencement, and students must have been approved as a candidate by the faculty, upon application, by October 15, preceding. A satisfactory thesis upon an approved subject must be presented.

REMARK 2. Vanderbilt University requires three years of college work for entrance into the School of Medicine, and also requires two years of German. The Tennessee University School of Medicine suggests that those of our students planning to enter that University put more time upon Biology and Chemistry, even at the expense of French and German.

ONE YEAR PRE-PHARMACY COURSE

COURSE I	*Hrs.*	COURSE II	*Hrs.*
English 100, 101, 102	9	English 100, 101, 102	9
Mathematics 101, 102, 103	9	Mathematics 101, 102, 103	9
Biology 101, 102, 103	12	Biology 101, 102	8
Economics 201, 202, 203	9	Physics 201, 202, 203	12
Electives	9	Economics 201, 202, 203	9
Physical Education	1	Physical Education	1
	49		48

NOTE: Course II is recommended for those who desire Pharmacy-Premedical course.

TWO-YEAR CURRICULUM FOR TEACHERS

Designed to train teachers for elementary schools. Students completing the two-year curriculum will be entitled to receive

a permanent professional certificate to teach in the elementary schools of the State. They may complete also the requirements for graduation with the A. B. or B. S. degree in two additional years.

Freshman Year	*Hrs.*	*Sophomore Year*	*Hrs.*
English 100, 101, 102	9	*English 201, 202, 203, 206	9
Biology 100, 101, 102	11	Psychology 201, 210, 212	9
or 100, 102, 103	11	Biology 413	3
or 100, 104, 105	11	Education 202, 203, 403	9
History 101, 102, 103	9	Geography 210, 211	6
Geography 100	3	Physical Education 205	3
Home Economics 101, 115	6	Directed Electives (methods courses in education)	6
Public School Music 101	3	Public School Music 102	3
Education 106	3	Home Economics 221	3
Elective	6		

*English 201 is required.

FOUR-YEAR CURRICULUM FOR TEACHERS

Elementary Teachers: The two-year curriculum as outlined above constitutes the requirements for a permanent professional elementary certificate in Tennessee. Students who plan to spend four years in college, however, may distribute this work over the longer period. Salaries of elementary teachers in Tennessee are based on number of years of college work. Students qualifying for the elementary certificate with three or four years of college work receive a higher salary rating than those who qualify with two years of college work.

High School Teachers: Students who wish to secure a permanent professional high school teacher's certificate in Tennessee may do so on the basis of the following qualifications:

1. Complete all requirements for the A. B. or B. S. degree.
2. Complete the following professional courses:
   a. Education 201, 210, 318, 402.
   b. Six quarter hours of special methods in subjects in which the student expects to certificate,

      or

      three quarter hours of special methods in a subject in which the student expects to certificate and three quarter hours of directed teaching.

c. Nine quarter hours selected from Education 209, 320, 404, 415, 416.

3. Complete the required number of quarter hours in each of the subjects in which it is desired to certificate. Since the number of quarter hours required and their distribution varies in the different subject fields, the student will plan this work in consultation with the heads of the departments of those subjects in which he expects to certificate.

NOTE: The requirements under 2 and 3 above may be included in the work offered for the degree.

DIPLOMA IN MUSIC

First Year	*Credits*
Advanced Harmony	3 hours
Advanced Piano, Voice (two hours daily practice)	12 hours
Foreign Language	12 hours
Music Minor	6 hours
Literary Electives	6 hours
English (Freshman)	9 hours
	48 hours

Second Year	
Advanced Harmony	3 hours
History of Music	3 hours
Advanced Piano, Voice (two hours daily practice)	12 hours
Foreign Language	9 hours
*Physics of Sound (Physics III)	4 hours
Music Minor	5 hours
Literary Electives	9 hours
Theory and Ear Training	3 hours
	48 hours

*If not taken in High School.

Third Year	
Advanced Piano, Voice (three hours daily practice)	15 hours
Minor in Music	6 hours
Educational Psychology and Methods	9 hours
English (Sophomore)	6 hours
History (Musical)	3 hours
Recitals	3 hours
Literary Electives	6 hours
	48 hours

Fourth Year

Advanced Piano, Voice (five hours daily practice)	15 hours
Minor Subjects	6 hours
Practice Teaching	3 hours
Recitals	3 hours
Education	9 hours
Literary Electives	12 hours
	48 hours

CERTIFICATE IN SPEECH

A certificate in speech is given to those students meeting the following requirements:

1. The completion of the freshman and sophomore courses of the regular college curriculum.
2. Successful public appearances at the discretion of the instructor.
3. The completion of a minimum of 24 hours in speech.

Department of Biology

MR. CAVANAUGH

The courses in biology are offered for the purpose of general culture as well as to lay proper foundation for those desiring to specialize in scientific work, in medicine, agriculture, or engineering.

The laboratory fee in each case covers all necessary material, but the student is required to pay for the breakage of all apparatus charged to him.

The lecture room has been equipped with a permanent installation of sound movie apparatus.

100. GENERAL BIOLOGY. An elementary course for those who have not had Biology in High School. Covers main biological principles in a general way. Living animals and plants as a whole are studied in the laboratory and the field. Three hours' credit.

101. GENERAL ZOOLOGY. An introduction to the study of animal life with emphasis placed on the invertebrates. Three or four hours' credit.

102. A continuation of Biology 101. Prerequisite: Course 101. Three or four hours' credit.

103. Vertebrate Zoology. A survey of the fundamentals of vertebrate morphology and ecology. Dissection of fish, amphibian, reptile, bird and mammal. Prerequisite: Courses 101 and 102. Three or four hours' credit.

104. Principles of Botany. This course is devoted to the study of the development and the nature of plants with emphasis on structure and function of plant cells, roots, stems, leaves and flowers. Three or four hours' credit.

105. A course in plant types including a thorough study of the following groups: algae, fungi, bryophytes, and spermatophytes from the point of view of plant relationship; also embracing the study of their life, process of nutrition and reproduction. Three or four hours' credit.

206. Bacteriology. An introduction to the principles of bacteriology. The work begins with the study of both the pathogenic and non-pathogenic organisms. Laboratory technique is emphasized. One-half of the time is devoted to laboratory work. Prerequisite: One year of Chemistry. Three or four hours' credit.

207. Heredity and Genetics. A study of the fundamentals of heredity of plants and animals. Some time will be spent in a botanical garden where many examples of variations and mutations are observed. Considerable time is given to the laboratory cultures of Drosophila. Prerequisite: One year of Biology. Three hours' credit.

210. Human Physiology. This course in general Physiology is designed to meet the needs of all college students. It includes lectures and demonstrations dealing with the fundamental principles of body structures and vital phenomena. Three hours' credit.

211. Human Physiology. Course 210 continued. Three hours' credit.

300. Teaching Biology. A course intended for those who plan to teach Biology in secondary schools. Topics included are: Trends in teaching Biology, methods of selecting and organizing materials, teaching procedures, and laboratory methods and techniques. Prerequisite: 12 hours in Biology. Three hours' credit.

312. Embryology. This course is planned especially to meet the needs of pre-medical students. It consists of

lectures and laboratory work with emphasis on the chick. Students are required to make a certain number of sections of chick embryos. Prerequisites: Biology 101, 102, and 103. Three hours' credit.

415. Histology. A systematic study of the cell, elementary tissues and structures of organs. Emphasis is placed on the characteristic cells of the various organs of the body. One-third of the time will be given to histological technique. Prerequisites: Biology 101, 102, and 103. Three hours' credit.

416. Parasitology. The forms affecting man and domestic animals will be studied. Students will make actual examinations of amoebae, flagellates, trichinae, hookworms, tapeworms, etc. Prerequisites: Biology 101 and 102. Three hours' credit.

420. Comparative Anatomy, Vertebrates. Systematic study of classes, orders and some families of vertebrata. Comparative organology and physiology. Mammalian osteology. Attention to nervous, urinogenital and vascular systems. Prerequisite: One year of Zoology. Three hours' credit.

421. Special Problems in Zoology. For students who expect to teach or to follow some phase of Zoology as a profession. Includes preparation of skeletons, dissections, collections, taxidermy, preservation and embalming of animals. Prerequisite: Nine hours Zoology. Three or four hours' credit.

Department of Chemistry

Dr. Prince

The age in which we live is called *The Scientific Age,* and all indications point to its becoming even more so. There is a growing demand for young people who have been scientifically trained. The courses in this department are planned to meet the needs of those who wish to prepare for medicine, agriculture, engineering, or any other type of scientific work. They also offer a great cultural value to the students specializing in other fields.

100. General Survey Course in Physical Sciences. Required as prerequisite to 101 or 104 of all students who have not had physics or chemistry in high school. Covers

main principles of the physical world. Not to be offered in lieu of Chemistry 101 or 104. Three hours' credit.

101. Pandemic or General Chemistry. Lectures and recitations, three days a week. Laboratory, two double periods a week at times to be arranged. This course includes the nomenclature, the broader quantitative relations of the chemical elements and a particular study of the non-metallic elements. Four hours' credit.

102. Lectures, recitations, and laboratory as in Chemistry 101, which is a prerequisite. Special emphasis will be laid upon the laws of dissociation and ionization. The study of the non-metallic elements will be completed. Four hours' credit.

103. Lecture, recitation, and laboratory as in Chemistry 101 and 102, of which this is a continuation, and forms with them a complete course in general chemistry. The metallic elements will be particularly treated from the standpoint of elementary qualitative analysis. Four hours' credit.

104. Pre-engineering or Technical. Open only to students who have completed a thorough laboratory course in high school. Lectures, recitations, and laboratory as in Chemistry 101, but more rapid progress will be attempted. Four hours' credit.

105. Continuation of Chemistry 104. Four hours' credit.

106. A continuation of Chemistry 105. A study and treatment of the metallic elements from the standpoint of elementary qualitative analysis. Four hours' credit.

Analytical and Elementary Physical Chemistry

204. Chemical Principles and Analytical Methods. A course designed especially for pre-medical students but also helpful to all students majoring in chemistry. The fundamental methods and theories of quantitative analytical chemistry and physical chemistry are studied. The course is largely experimental with laboratory practice given in gravimetric analysis, and proving the laws of elementary physical chemistry. Considerable emphasis is placed upon chemical calculation. Prerequisite: Freshman Chemistry and Freshman Mathe-

matics. Two lectures and six to ten hours laboratory periods per week. Three to five hours' credit.

205. A continuation of Chemistry 204. The analytical work will be volumetric analysis and experiments dealing with molar concentration, osmotic pressure, colloids, catalysis, theory of indicators and hydrogenion concentration. Prerequisites are same as in Chem. 204. Three to five hours' credit.

206. A continuation of Chem. 204 and 205. Volumetric analysis will be completed and the physico chemical principles relating to equilibrium and electrochemistry will be given. Considerable laboratory work will be given in latter. Prerequisites the same as Chem. 204 and 205. Three to five hours' credit.

Organic Chemistry

307. Lecture, three hours per week. Laboratory, four hours. For sophomores or juniors. Prerequisite: General Inorganic Chemistry, Qualitative Analysis, and preferably, Quantitative Analysis. This course consists of a study of the aliphatic series of the carbon compounds and their synthesis in the laboratory. Should be taken by all students intending to study medicine or agriculture. Five hours' credit.

308. Continuation of Chemistry 307. Study of Aromatic Hydrocarbons and derivatives. Five hours' credit.

309. Physiological Chemistry. A course following Chemistry 307 and 308 which are prerequisites. This course is designed to meet the needs primarily of premedical and home economics students. Five hours' credit, according to amount of laboratory work done.

Household Chemistry

210. This is a course designed especially to meet the needs of students in domestic science, and for those special students who are unable to take the general course in chemistry. Prerequisite: One unit of entrance science. Three hours' credit.

Advanced Quantitative Analysis

413, 414, or 415. Lectures, conferences and laboratory work at hours to be arranged. Prerequisite: Chemistry 204, 205, and 206. Open only to seniors. This course will

include special methods of quantitative analysis, proximate food analysis, fire assay, water and gas analysis, or electrolytic methods may be taken, according to the needs of the class. This course will be largely laboratory work with collateral reading. Five hours' credit.

217. History of Chemistry. Lectures only; three times a week. Three hours' credit.

319. Advanced Qualitative. Five hours' credit.

Department of Commerce

Mr. Farnsworth — Mr. Townsend
Mrs. Blythe — Mr. DeLay

This department was established in response to the growing demand for training along vocational lines. The aim is to give that broad, scientific training necessary in preparing for a business career. It is believed that this background of business fundamentals will enable the student to select wisely his field of special interests.

Modern business demands much of the individual—a cultural as well as a practical education. Those majoring in this department will find that a college education can provide both.

Accounting

201-2-3. Elementary Accounting. An introduction to the study of accounting intended for the general student of business. The first course deals primarily with the fundamental principles of accounting applied to the sole proprietorship. The second course deals primarily with the partnership, while the third emphasizes the corporate form of business. The practice set constitutes an important part of the student's laboratory work in each set. Three hours' credit on each course.

Business Administration

101-2-3. Commercial Law. This course is planned to give the student a usable knowledge of the fundamental principles of law applicable to business. A detailed study is made of the nature of business transactions; negotiable instruments; agency; bailments; guaranty and suretyship; insurance; mortgages; landlord and tenant;

wills, estates, and trustees. Emphasis will be placed on the law as related to partnerships and corporations. Three hours' credit on each course.

200. Introduction to Business. After a preliminary discussion of business in relation to society, an elementary survey will be made of the field of business. Finally, the choosing of a vocation and the preparation for life's work will be discussed. (Films on the various vocations and vocational guidance will be presented.) Three hours' credit.

204. Princples of Public Finance. A study of the rise in public expenditures, the causes for the rise, the need for economy, and the underlying principles of public finance. Three hours' credit.

205. Corporation Finance. A study is made of the financial structure and the problems of big business. Three hours' credit.

301. Industrial Organization and Combination. A study of the forms of business organization; the combination movement and its causes; the investment trust; and recent aspects of the public control of business. Three hours' credit.

302. Industrial Management. A study of the basic fundamentals underlying the solution of the problems of management and operation in all types of business enterprise and their application to the specific fields of industrial management—production, distribution, personnel, etc. Three hours' credit.

303. Office Management. Instruction and practice in office methods will be given, including filing, tabulation, and the use of such machines as the mimeograph, adding machine, multigraph, and ditto duplicator. Prerequisite: A minor in commercial subjects. Three hours' credit.

401. Retail Merchandising. A study of the organization and management of retail establishments; store location; store organization; buying; receiving; keeping stock; inventories; sales systems; store policies; expenses and profits; etc. Three hours' credit.

402. Salesmanship. A study of the laws of salesmanship and their psychological application. The student is given

a selling problem and is required to present its solution before the class as a test of his understanding of the principles governing the several selling steps. Three hours' credit.

403. Advertising. This is an introductory course in the functions, theory, principles, and applications of advertising. Three hours' credit.

Economics and Economic Geography

105. Principles of Economic Geography. A study of the economic and geographic factors involved in the production, transportation, consumption of the leading commercial products of the world. Three hours' credit.

201-2-3. Principles of Economics. A study of the nature of economic science; a brief history of economic institutions, economic theory, and economic thought; the industrial revolution; fundamental economic concepts; money; rent; population and the supply of labor; wages; interest; the forms of industrial enterprise; monopoly; public finance; the reconstruction of the social order; etc. Three hours' credit on each course.

304. Economic Geography of Asia. An economic interpretation of the problems of the continent. A special study will be made of China, Japan, India, and Mediterranean Asia. Three hours' credit.

305. Economic Geography of Europe. A study of the economic problems of the continent. Prerequisite: Economics 304, which furnishes the background for understanding the problems of the region. Three hours' credit.

306. Economic Geography of South America. An economic interpretation of the problems of South America. A special study will be made of Argentina, Brazil, and Chile. Three hours' credit.

308. Labor Problems. A general survey of the position of the wage earner in modern industry, emphasizing the social significance of wages, hours, working conditions, unemployment, labor unions, and recent labor legislation. Three hours' credit.

401. Money and Banking. The origin and evolution of money, monetary problems, the fundamentals of banking

organizations, proposals for price stabilization, currency conditions in the leading countries, and the general principles of money, banking, and credit will be emphasized. Prerequisite: Economics 201-2-3. Three hours' credit.

402. Principles of Marketing. A survey of the marketing structure of industrial society, the fundamental functions performed in the marketing process; sales promotion and the problems of the manufacturer, wholesaler, and retailer. Three hours' credit.

403. Economic Statistics. The collection, presentation, analysis, and interpretation of economic data, including tabulation, graphic representation, indication of relationship, variation and its measurement, correlation, measures of unreliability, time series, and index numbers. Three hours' credit.

404. Conservation of Natural Resources. The importance of our natural resources, the need of conservation and of regional and national planning will be emphasized. Three hours' credit.

Geography

100. Elements of Geography. An introduction to college geography. This is a basic course for teachers and students of engineering. The physical aspects will be emphasized in this course. Three hours' credit.

210. Geography of North America. An interpretative study of the natural regions of northern North America. Special studies will be made of land forms, soils, geologic structures, and climate of each region in relation to their influences on the life of man. Three hours' credit.

211. Geography of North America. A continuation of 210. An interpretative study of the southern region of the continent. Three hours' credit.

212. Historical Geography of the United States. A course dealing with the geographic conditions that have influenced our history. Recommended for history majors. Three hours' credit.

301. Physiography. A study of the structural features of the earth's crust, the processes at work on the land

surface, and the topographic forms produced by them. Three hours' credit.

302. Climatology. An interpretation of climate and climatic factors. Three hours' credit.

303. Geography of Tennessee. A study of the geographic influences in the history and development of the state. The geologic, physical, climatic, economic, and other vital factors affecting agriculture, industry, and the general economic development will be discussed. Recommended for history majors. Three hours' credit.

400. Political Geography. A course interpreting the elements making for stability and permanency in the great nations. Recommended for history majors. Three hours' credit.

401. Geography of the South. A study of the historical and economic geography of this region emphasizing the basis of Southern industry, agriculture, and commerce. The future of the South, its problems, and its advantages will be discussed. Three hours' credit.

Secretarial Science

150-1-2. Typewriting. The fundamental principles of touch typewriting are taught in the beginning courses. Accuracy, rhythm, and technique are emphasized. One and one-half hours' credit on each course.

250-1-2. Advanced Typewriting. In the advanced courses speed, letter writing, tabulation, and arrangement of manuscripts are stressed. One and one-half hours' credit on each course.

260-1-2. Shorthand. In the beginners' courses the fundamental principles of shorthand are taught. One and one-half hours' credit on each course.

360-1-2. Advanced Shorthand. In this course adequate practice is given in dictation and transcription. Speed and accuracy will be emphasized. One and one-half hours' credit on each course.

470. Teaching Commercial Subjects. An analysis of the subject matter, methods, and techniques employed in teaching the various commercial subjects in high school. Three hours' credit.

Department of Education and Psychology

DR. WELLS MRS. LONG

The State Department of Education in Tennessee recognizes work done at Union University on a par with the State Teachers' Colleges and the State University. The rules and regulations are uniform for each institution.

The courses in education and psychology are planned and organized to meet the following requirements: (1) General cultural courses; (2) a curriculum for elementary teachers; (3) a curriculum for high school teachers; (4) courses to meet Tennessee certificate requirements and renewals.

Students who plan to teach should enroll in one of the curricula which are given on pages 50-51. These curricula are designed to provide a general cultural background together with the necessary professional and technical training for teaching in a specific field.

Teachers desiring to renew certificates should consult the registrar in regard to courses to be taken.

Education

106. ART IN THE ELEMENTARY SCHOOL. Objectives, appreciations, skills, and knowledges covering art education in the elementary school will be studied. Opportunity for students to experiment with art materials will be provided through simple construction such as book making, block printing, weaving, clay work, lettering, posters and chart making. The student will be required to do additional laboratory work outside of the class period. Three hours' credit.

202. THE INTEGRATED ACTIVITY CURRICULUM. The purpose of this course is to give an acquaintance with the new school curriculum based upon child growth through educative activities. Much time will be devoted to unit teaching and each student will construct a complete unit in the subject of his choosing. Students will study practices, and examine and analyze records of progressive schools. Prerequisite: Education 212. Three hours' credit.

202c (102c). TEACHING READING.
Group I—Primary Grades.
Group II—Upper Elementary Grades.

It is the purpose of this course to give the student a comprehensive knowledge of the materials and methods that are employed in teaching reading. Problems in connection with the actual teaching of reading will be studied in detail. Recent experimental investigations will be examined. In Group I, much time will be devoted to the period of preparation and to the period of beginning reading. Prerequisites: Education 201, 210. Three hours' credit.

202d (102d). Social Studies in the Elementary School. Topics: The social studies as the core of the curriculum; objectives in the teaching of the social studies; problems encountered and the methods of teaching; units of work and courses of study examined; the collection and organization of materials and the use of current events. Prerequisites: Education 201, 210. Three hours' credit.

203 (103). Teaching in the Elementary School. The course will include a study of the function of the knowledge and skill subjects in the elementary curriculum, principles of curriculum making, curriculum investigations, and methods of teaching and diagnosis in these subjects. Prerequisites: Education 201, 210. Three hours' credit.

209. Public Education in the United States. Current problems in organization, administration, and instruction are studied in the light of their historical development. Social, political, and economic forces underlying the principal movements in American education receive consideration. Topics studied include: early American education, the establishment of a state system of schools, psychologizing instruction, and present day movements and reorganization. Three hours' credit.

214. Teaching of Arithmetic. A course in subject matter and methods used in the elementary grades. Three hours' credit.

215. The Teaching of Geography. This course deals with the nature of modern geography. A special methods course for elementary teachers. Prerequisite: Three courses in geography and Ed. 201. Three hours' credit.

219. Teaching English in the Elementary Grades. The aims, principles, methods, and materials of teaching literature, language, and composition in the elementary grades; how to stimulate children to correct self-expression; sentence structure; examination and criticism of textbooks. Three hours' credit.

318. Principles of Secondary Education. A study is made of the secondary school as an institution in a democratic society and of the reorganizations that are taking place in this field. Topics included are: the historical background, functions, curriculum aims and objectives, and methods of appraisal. Three hours' credit.

320 (220). High School Administration. An introductory course in school administration designed to be of help to teachers, as well as principals and superintendents of schools. The major divisions include: organization of a school system, organization of a school, personnel leadership, and educational administration. Problems in connection with the administration of high schools are studied in detail. Three hours' credit.

402. Teaching in Secondary School. The aim of this course is to study approved methods of instruction in the secondary school. Teaching techniques appropriate to the different types of high school subjects are considered. A fundamental part of the course is a study of units of work and of the integrated program in secondary schools. Prerequisites: Education 201, 210. Three hours' credit.

403. Observation and Teaching in the Elementary School. Students taking this course are required to do five hours of observation and directed teaching each week, and an additional hour must be reserved for a weekly conference. Two hours are required in the laboratory situation for each hour of credit received. Application for taking the course (accompanied by the laboratory fee) must be made at least one quarter in advance. Prerequisites: Education 201, 212. Education 203 prerequisite or parallel. Three to six hours' credit.

404. Observation and Directed Teaching in the Secondary School. Students taking this course are re-

quired to do five hours of observation and directed teaching each week, and an additional hour must be reserved for a weekly conference. Two hours are required in the laboratory situation for each hour of credit received. Application accompanied by the laboratory fee, must be made at least one quarter in advance of taking the course. Prerequisite: Education 402. Three to six hours' credit.

415. Tests and Measurements. This course deals with the principles underlying the construction of standardized and informal objective tests; test administration, summarizing and interpreting the results of testing, and diagnostic and remedial procedures. Practice is given in constructing, giving and scoring the new type tests. Prerequisites: Education 201, 210. Three hours' credit.

416. Philosophy of Education. A study is made of the various conceptions of education. Issues in educational thought are traced in their relations with more basic problems. Principles underlying modern educational thinking are studied in detail. Three hours' credit.

Psychology

201 (101). General Psychology. A foundation course in the science of behavior. The study will include: origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Education 201 is given concurrently with Education 210 and no credit will be allowed for 201 until 210 is taken. Simple experiments will constitute a basic part of the work. Three hours' credit.

210. Educational Psychology. Education 210 is given concurrently with Education 201 and no credit will be allowed until both are taken. An intensive study is made of motivation, emotion, adjustment, intelligence, learning, perception and growth. Simple experiments will constitute a basic part of the course. Three hours' credit.

212. Child Psychology. An analysis of infant behavior; the motor and emotional development of children; motivation, thinking, work, and play in child life; the

synthesis and integration of personality. Prerequisites: 201, 210. Three hours' credit.

319. Adolescent Psychology. The meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, social tendencies, and personality; the hygiene of adolescence; the guidance and control of adolescent behavior. Prerequisites: 201, 210. Three hours' credit.

321. Business Psychology. A study of the applications of psychology to business and business problems. Both methods and techniques are stressed. Among the topics included are: personnel relations, advertising, and salesmanship. Prerequisite: Ed. 201. Three hours' credit.

Note: Courses in methods of teaching in high school are listed with the respective departments. They may be elected to apply towards the twenty-seven hours required for a professional certificate, provided they are limited to the fields in which the student will become certificated.

Department of English

Mr. Sargent Mrs. Hardin

The instruction given in English has three objects in view: First, a command of correct and clear English, spoken and written; second, the power of accurate and intelligent reading and the development of the habit of reading good literature with appreciation and enjoyment; third, a knowledge of certain authors whose works illustrate the development, not only of the English language, but also of literature. *Students notably deficient in spelling, reading, and English Grammar will be required to make this up before entering the Senior year.*

Note: We do not offer during any one year all of the courses listed in this department.

Note: Eighteen hours of English are required of all students. In these eighteen hours must be included courses 100, 101, 102, 318 and six hours in survey courses.

100 (1). Freshman Composition. This course is conducted by means of lectures, quizzes, themes, and reports, in addition to the text books for daily assignments. Special emphasis will be given to the verb formations,

sentence structure, rules of syntax, and the growth and development of the English language. Three hours' credit.

101 (2). Freshman Composition. A continuation of English 100. Daily short themes, or longer weekly themes will be assigned. The various types of composition will be discussed and theme-practice in each of the different types given. Three hours' credit.

102. Freshman Composition. Prerequisites: English 100 and 101. A course in which there will be a discussion of the elements of literary excellence; much writing, which is critically considered in the class room; and the critical analysis of typical specimens of established literature. Three hours' credit.

201. Children's Literature. Choice selections from all types of child literature by notable authors are studied in this course. Volumes of literature for children's libraries are examined. A handbook and anthology of children's literature are used as text books, supplemented by much library reading. Three hours' credit.

202 (204 and 205). A Survey of American Poetry. The poems, characteristics, and biographies of the chief American poets are studied, with the movements and tendencies in American life and literature as historical background. Three hours' credit.

203 (3). A Survey of American Prose Writers. This course deals with the life and literary productions of the chief American prose writers. The different aspects of American life reflected through the prose are studied. Three hours' credit.

206 (4c). English Poetry. A survey of British lyrics. A study of the life and literature of the English people from Chaucer to Kipling. The best in English lyrics and extensive reading in other poetic literature and in biography. Three hours' credit.

216 (16a). High School Literature. A study of high school classics and methods of presenting them. Each student is required to work out a four-year course of

study and show the points he would stress in each piece of literature. Three hours' credit.

217 (16b). The Teaching of High School Composition. Methods of teaching composition, on grading themes, and on vocabulary building. Three hours' credit.

218 (16c). English Grammar and How to Teach it. The principles of grammar and methods most effective in teaching the subject. This course aims to inspire confidence from a positive knowledge of what correct usage is and to employ the proper usage in a pleasing variety of sentences. The place and importance of grammar in the high school course of study is emphasized. Three hours' credit.

305 (6). The Romantic Poets. The poems of Wordsworth, Coleridge, Byron, Scott, Shelley, and Keats are studied. The course is supplemented by collateral readings, and by a study of the development, and of the main characteristics of the Romantic movement. Three hours' credit.

306 (5). The Victorian Poets. In this course the poems of the chief English poets of the Victorian period are read. Most of the time is given to the study of the poems of Tennyson, Browning, Arnold, and Clough. Three hours' credit.

307 (7). Shakespeare. The comedies, ten plays, are studied. Three hours' credit.

308 (8). Shakespeare. The Tragedies, eight plays, are studied. Three hours' credit.

309 (9). Modern Poetry. The Poetry of the twentieth century writers of English and American verse. A study is made of the matter, themes, and present-day tendencies. Three hours' credit.

310 (10). A Survey of the English and American Essay. The development of the essay; interpretation of essays of each type and period. Three hours' credit.

315 (15). The Short Story. Development in the art of short-story writing. The best classic and contemporary

short stories are read and criticised. Practice in the writing of short stories is required. Three hours' credit.

318. Advanced Composition. This is a practical course in expository writing. Gathering material, outlining and systematic organization are required. The chief purpose is to give the fundamentals of thesis writing. Open to juniors and seniors. Three hours' credit.

413 (13). The Modern Drama. The reading and analysis of representative modern dramas—English, Continental, and American. Three hours' credit.

414 (14a). Newspaper Writing and Editing. Emphasis is placed on the essentials and practice of news writing. In addition to the text books used, representative newspapers are used for study. Three hours' credit.

415 (14b). Special Feature Articles. The technique, interpretation, and writing of special features. A text book, newspapers, and magazines are used. Three hours' credit.

Department of Home Economics

Miss Elam

The courses in Home Economics have been planned to meet the needs of different classes of students: those who desire to complete a two-year course before entering a vocational school, to major in Professional Home Making, and to certificate to teach in non-vocational schools, to train for dietitians, demonstrators, or business, and those who feel the need for some knowledge of Home Making as a part of a general education.

We do not during any one year offer all of the courses listed in this department.

Foods and Nutrition

100. Elementary Cookery. A study of the elementary principles of cookery, with an introduction to the plan-

ning and serving of meals in the home, consumer's problems as related to foods. No prerequisite. Three hours' credit.

101. Elementary Nutrition. The elementary principles of nutrition and relation of food selections to health. The construction of an adequate diet. Three hours' credit.

103. Food Craft for Men. Art of carving, duties of a host, food selection, special customs, men's dress for all occasions (selection color, materials, etc.), personality development and family relationships, opportunity for actual practice in acting as a host and presiding at the table. No prerequisite. Two hours' credit.

215. Food Preparation and Selection. The study of the fundamental principles of cookery, including source, classification, and economic value. Prerequisites: Foods 10, Chemistry 103. Three hours' credit.

216. Meal Preparation and Table Service. Table service, meal planning, preparation and serving of breakfasts, luncheons, dinners, menus for special occasions. Study of table appointment. Prerequisite: Home Ec. 215. Three hours' credit.

219. Institutional Management. Problems of organization, administration, and equipment of various types of food units. Actual experience in planning, selecting, preparing, and serving of large quantity of food. Prerequisite: Home Ec. 216. Three hours' credit.

315. Advanced Nutrition. Chemical and Physical processes of digestion. Fate of metabolism of foodstuffs. Fundamental principles of food nutrition. Planning dietaries. Prerequisite: Home Ec. 216, Biol. 210, Chem. 309. Three hours' credit.

408. Experimental Cookery. Experimental work with dough and batters, emulsion fats, gelatin, and sugar cookery, vegetables and egg cookery. Prerequisite: Home Ec. 216. Three hours' credit.

Household Management

221. Home Nursing. Home care of the sick, first aid with opportunity for laboratory practice in first aid, bathing and shampooing, bed making, etc., making first aid kits. No prerequisite. Three hours' credit.

223. Child Care and Guidance. The growth and development of the young child. Principles and techniques for child guidance. Principles underlying the selection, care, and use of play material and equipment for young children. Food and its relation to growing children. Three hours' credit.

415. Home Management. Economics of the household from the standpoint of money, time, energy. Individual development. No prerequisite. Three hours' credit.

419. Household Equipment. Study of modern labor saving devices: factors determining cost and efficiency, selection and care. Use of gas and electricity. No prerequisite. Three hours' credit.

416. Home Management House. Students majoring in Home Economics live for one quarter during their senior year in the Home Economics House, where they gain actual experience in group relationships and managerial activities in home making. Prerequisite: Home Ec. 101, 216, 415. Three hours' credit.

Textiles and Clothing

116. Textiles. Analysis of fabrics and weaves to show relationship between quality and fiber, weave, finish, adulteration and cost of fabrics. Emphasis placed on consumer's problems in purchasing clothing and household furnishings. Prerequisite: Home Ec. 115. Three hours' credit.

117. Clothing Selection and Construction. Fundamental construction process of simple garments; use and alteration of commercial patterns. Related problems and class projects in the selection of cotton and linen ma-

terials; a study of relation between cost of garments made and similar ready made one; clothing budget. Prerequisite: Home Ec. 115, 116. Three hours' credit.

118. Clothing Construction. Continuation of 117. Fundamental principles applied to the selection and construction of silk and synthetic fabrics. Principles of fitting; use and care of sewing machine. Prerequisite: Home Ec. 117. Three hours' credit.

222. Applied Design for Children's Clothing. Application of the principles of design and construction of clothing for children; adapting the clothing to the needs of children. Prerequisite: Home Ec. 118. Three hours' credit.

321. Advanced Clothing. Application of principles of costume design to individual garments; development of techniques in the construction of silk and wool garments. Prerequisite: Home Ec. 118. Three hours' credit.

406. Tailoring. The construction of a tailored suit and dress. Fundamental principles of tailoring. Prerequisite: Home Ec. 321. Three hours' credit.

Related Art

115. Art and Design. Fundamental principles of design and their application; color theory and its application. No prerequisite. Three hours' credit.

205. Applied Design. Poster making, block printing, simple design to be originated for use on cloth, for pottery and textiles, block printing. Prerequisite: Home Ec. 115. Three hours' credit.

318. Costume Design. Line, mass, and color applied to costumes for individual types, suitability of costumes to occasion; influence of garment construction on clothing design. Prerequisite: Home Ec. 115. Three hours' credit.

319. House Architecture. Historic and modern architectural styles; problems involved in building a present-day house, including cost, location, and details of construction. Prerequisite: Home Ec. 115. Three hours' credit.

320. House Furnishings. Selection, care, cost and arrangement of household furnishings. Prerequisite: Home Ec. 115, 319. Three hours' credit.

410. Art Appreciation. (Formerly 120.) A survey of sculpture, architecture, and painting and prehistoric, to modern times. No prerequisite. Three hours' credit.

Department of Languages

Mr. Pell Mrs. Rutledge Mrs. Rice

Recognizing that language is the medium of expression, the courses of this department are planned for two groups of students. First, suitable work is organized for those who are primarily interested in a cultural education, and who realize that only through the language of another people can one fully understand and appreciate their thought and life. Second, plans are made to meet the practical needs of those other students who may desire to enter the professions, do graduate work, or come into business contact with our foreign speaking neighbors.

French

101. Elementary French. Fundamentals of grammar and pronunciation, conversation and composition, easy reading. Three or four hours' credit.

102. Elementary French. A continuation of 101. Three or four hours' credit.

103. Elementary French. A continuation of 102. Three or four hours' credit.

204. Intermediate French. Grammar review, conversation and composition, reading of suitable texts. Prerequisite 101, 102, and 103, or two years of high school French. Three hours' credit.

205. Intermediate French. A continuation of 204. Three hours' credit.

206. Intermediate French. A continuation of 205. Three hours' credit.

The courses described below will be offered in alternate years.

307. Survey of French Literature. Lectures, readings, and reports on representative authors and works from the beginning of French literature through the seventeenth century. Three hours' credit.

308. Survey of French Literature. A continuation of 307. Representative authors and works through the eighteenth and early nineteenth centuries. Three hours' credit.

309. Survey of French Literature. A continuation of 308. A study of the influence of realism and naturalism in the literature of the nineteenth and twentieth centuries. Three hours' credit.

310. Study of the Drama. The drama of the seventeenth century, with lectures, readings, and reports. Three hours' credit.

311. Study of the Drama. A survey of the dramatic movements in French literature since the beginning of the nineteenth century. Three hours' credit.

312. Study of the Drama. An intensive course in contemporary French Drama. Three hours' credit.

315. Conversation and Advanced Phonetics. A course in the fundamentals of French, which will afford helpful preparation for the prospective teacher of the language. Three hours' credit.

German

101. Elementary German. A study of pronunciation, basic vocabulary, common idioms, functional grammar, oral and written exercises, with special emphasis upon the development of the ability to read simple German. Three or four hours' credit.

102. Elementary German. A continuation of 101, covering the middle third of the elements of the language. Emphasis will be upon laboratory exercises and the reading of a number of short stories. Three or four hours' credit.

103. Elementary German. A continuation of 102. The emphasis will be upon the development of speed, accuracy, and enjoyment of reading the language. Three or four hours' credit.

204. Intermediate German. Especially designed for students who desire a reading knowledge of scientific or technical German. Includes a review of strong verbs and sentence arrangement; a study of the difficulties in scientific German, and an introduction to the reading of scientific German in the fields of chemistry, physics, and biology. Three hours' credit.

205. Intermediate German. A continuation of 204. Emphasis is placed upon the reading of texts dealing with the following subjects: chemistry, physics, and biology. Three hours' credit.

206. Intermediate German. A continuation of 205. Emphasis will be upon the development of speed, accuracy and enjoyment of reading articles of a scientific nature. Three hours' credit.

Latin

Eighteen hours of college Latin must be studied in addition to courses 100-101-102, if the student is preparing to teach Latin.

Note: We do not offer during any one year all of the courses listed below.

100-101-102. Beginner's Latin. This course is planned for those students who have not had any Latin in High School. A thorough study will be made of the principles of grammar and syntax, and selections from Caesar will be read. Twelve hours' credit.

200. Cicero. Selections from Cicero's Orations with syntax and grammar. Three hours' credit.

201. Virgil. Selections from Virgil's Aeneid, with special consideration of principles of grammar. Three hours' credit.

202. Cicero's Philosophical Works. De Senectute and De Amicitia, with careful consideration of the philosophy and grammar. Three hours' credit.

300. Ovid's Metamorphoses. Selection from Books I to XV, with outside reading. Three hours' credit.

301. Livy. Selections. The Second Punic War. Historical readings and reference work. Three hours' credit.

302. Horace's Odes. Careful study and interpretations of certain select odes. Also reference work on Horace and his times. Three hours' credit.

400. Terence's Phormio. A critical reading and analysis with outside readings on the early Greek and Roman drama. Three hours' credit.

401. Tacitus' Agricola and Germania. Emphasis upon content and characteristics of the biographical and historical works of Tacitus. Three hours' credit.

Spanish

101. Elementary Spanish. Fundamentals of grammar and pronunciation, conversation and composition, easy reading. Three or four hours' credit.

102. Elementary Spanish. A continuation of 101. Three or four hours' credit.

103. Elementary Spanish. A continuation of 102. Three or four hours' credit.

204. Intermediate Spanish. Grammar review, conversation and composition, reading of suitable texts. Prerequisite: 101, 102, and 103, or two years in high school. Three hours' credit.

205. Intermediate Spanish. A continuation of 204. Three hours' credit.

206. Intermediate Spanish. A continuation of 205. Three hours' credit.

The courses described below will be offered in alternate years.

307. Survey of Spanish Literature. Lectures, readings, and reports on authors and works dating from the beginning of Spanish Literature through the seventeenth century. Three hours' credit.

308. Survey of Spanish Literature. A continuation of 307. The literature of the eighteenth, nineteenth, and twentieth centuries. Three hours' credit.

309. Survey of Spanish Literature. A continuation of 308. A study of Spanish-American Literature. Three hours' credit.

310. Study of the Drama. The drama of the seventeenth century. Lectures, readings, and reports. Three hours' credit.

311. Study of the Drama. A survey of the Spanish theatre since the beginning of the nineteenth century. Three hours' credit.

312. Study of the Drama. An intensive study of the contemporary drama of Spain and Spanish-America. Three hours' credit.

315. Commercial Spanish. Practice in conversation and composition will be supplemented by study of the forms of correspondence and reading of material related to the commercial and cultural life of Spanish-speaking countries. Three hours' credit.

Department of Mathematics and Physics

Dr. Mallory Mrs. Mallory

In addition to meeting the requirements for the standard arts and science degrees, the work in this department has been planned so as to fulfill the requirements for teacher training and pre-engineering. In consultation with the head of the department the student should clearly define his aims so as to be guided in the selection of his courses.

A major in mathematics and a minor in physics are provided below. It is hoped that students majoring in mathematics will minor in physics.

Mathematics

100 (Z1, Z2). Solid Geometry. Available to students who have not had this course in high school. Not to be counted toward satisfying required work in mathematics. Three hours' credit.

*101. College Algebra. First course in college algebra. Fundamental concepts, principles, and methods, linear

and quadratic equations, inequalities, progressions, and logarithms. Required of freshmen. Three hours' credit.

102. Plane Trigonometry. The trigonometric functions, solution of triangles, proof of trigonometric identities, and the solution of trigonometric equations. Required of freshmen who do not present trigonometry for entrance. Three hours' credit.

103. College Algebra. A continuation of 101. Mathematical induction, complex numbers, theory of equations, permutations and combinations, probability, and determinants. Three hours' credit.

101e (101a). Engineering Mathematics. Consisting of algebra, trigonometry, and engineering analytics for freshmen pre-engineering students. Five hours' credit.

102e (102b). A continuation of 101e. Five hours' credit.

103e (103c). A continuation of 102e. Five hours' credit.

201. Mechanical Drawing. This course is designed for beginning engineering students and intended to meet requirements for admission to schools of engineering. It is also recommended for all students of three dimensional mathematics.

204. Analytic Geometry. Rectangular and polar co-ordinates in a plane, rectangular and polar co-ordinates in space, equations and their loci, emphasis upon topics needed in preparation for the study of the calculus, and elementary curve fitting. Four hours' credit.

205. Calculus. Functions, limits, the notion of derivatives, a thorough drill in differentiation, application of the notion of derivatives including the study of maximum and minimum values of functions, tangents and normals to curve, algebraic equations. Four hours' credit.

206. Calculus. Integral calculus, including applications to geometry and physics, and the solution of numerous problems with use of tables of integrals. Four hours' credit.

*General or Pandemic mathematics, 101-2-3.

207. Calculus. Continuation of 206. Four hours' credit.

209 (207). Spherical Trigonometry. Application of trigonometric functions to spherical bodies including parallel and mid-latitude sailing, right spherical triangles, oblique spherical triangles; also, consideration of areas of spherical lunes and polygons. Three hours' credit.

210. Surveying. This course is largely practical field work, and will embrace problems belonging to land surveying and the foundation principles of road construction and railroad lines, such as leveling, profiling, curves, cross sections and mapping. The student will develop a practical familiarity with the transit, plane tables, and other surveying and engineering instruments. Three hours' credit.

211. Projective Geometry. This course is elementary and intended for pre-engineering students but is also fundamental for any student expecting to do graduate mathematics later.

308. Solid Analytical Geometry. Rectangular and polar co-ordinates in space, vectors, surfaces of revolution, degenerate and non-degenerate quadrics, symmetry, traces, and skew curves. Three hours' credit.

309a. Theory of Equations. Complex numbers, the solution of equations—quadratic, cubic, and quartic. Three hours' credit.

309b. Theory of Equations. Determinants, symmetric functions, and fundamental theorems of analysis. Three hours' credit.

312. Differential Equations. A short course in differential equations including twenty-one types, ten under the first order and eleven under higher orders. Some attention also will be given to the application of differential equations to the solution of problems. Three hours' credit.

314. Mathematics as Applied to Statistics. Elementary treatment of the theory of least squares as applied to the normal curve, probability, measurements of cen-

tral tendencies, i. e., arithmetic mean, standard deviations, the social and biological sciences. Mathematics 204-5-6 are prerequisite. Three hours' credit.

Methods Courses in Mathematics

213. Teaching of Mathematics. A course in the correlation of various branches and application to other sciences. It includes methods in algebra and geometry from a psychological viewpoint. Three hours' credit.

214. Teaching of Arithmetic. (See Ed. Department.)

215. Teaching of Mathematics. (Formerly 215 and 216). Analysis of subject matter and methods used in the junior and senior high school. Three hours' credit.

Physics

201. Mechanics, Properties of Matter. This course in general physics may be taken by those who have had no physics or only a brief course in high school physics. The lectures will be fully illustrative. Laboratory work. Four hours' credit.

202. Heat, Magnetism and Electricity. A general treatment. Also, meets requirements for pre-engineering and pre-medical students. Laboratory work required. Four hours' credit.

203. Sound and Light. A general treatment with special aim to meet pre-medical requirements. Laboratory work required. Four hours' credit.

209. Electricity. This course involves a more extended discussion of the topics than can be given in general physics. The student will be expected to become thoroughly familiar with measuring instruments and their use in actual measurements. One lecture and two laboratory periods. Three hours' credit. Winter quarter.

210. Electricity. This course consists of a study of power stations and the distribution of power, electric lighting, electric heating, electric traction, and electric communication. Two lectures and one laboratory period. Courses 41, 42 and 51, 52 not offered same year. Three hours credit. Spring quarter.

Department of Religion

DR. GUY DR. MATTHEWS

The work of this department has been planned for a two-fold purpose. First, a rather complete course of study has been organized for those young men and women who are to enter definite types of religious service, whether as ministers, missionaries, or religious education leaders. Second, opportunity is given to those other young people who, though they are majoring in other departments and are preparing for other professions, wish to take certain courses for the deepening of their spiritual lives, and for the cultural value derived from such study.

Old Testament

101. THE PENTATEUCH. Special attention will be given to the being, nature, and activities of God as revealed in His relation to the creation, redemption, and control of all things. Three hours' credit.

102. HISTORICAL BOOKS. Special attention will be given to the officials, nations, and prophets of this period. Two hours' credit.

103. HISTORICAL BOOKS. A continuation of 102. Two hours' credit.

201 (103). POETICAL BOOKS. Emphasis will be placed on the Bible as literature. The message, doctrine, and excellencies of the various passages will be pointed out. Three hours' credit.

202 (104). MAJOR PROPHETS. These books will also be emphasized as literature, along with the interpretation of their messages. Three hours' credit.

203. MINOR PROPHETS. The historical background will be considered, as well as the teachings of the prophets. Two hours credit.

New Testament

204 (205). THE SYNOPTIC GOSPELS. Special attention will be given to the life and person of Christ, to His

works, teachings, and influence on others. Three hours' credit.

205. Acts of the Apostles. This course will involve a tracing of the history of the early churches and a spread of Christianity. A preparatory course to Paul's writings. Two hours' credit.

206. Pauline Epistles. A study of Paul's great doctrines and an interpretation of his various letters more or less in chronological order. Two hours' credit.

207. Pauline Epistles. A continuation of 206. Two hours' credit.

208. General Epistles. A study of James, Peter, Jude, and Hebrews. Three hours' credit.

209. Johannine Literature. A study of the life and times of the Apostle John, with an analysis and interpretation of the Gospel, Epistles, and Revelation. Three hours' credit.

211. Introduction to New Testament Greek. There will be constant drill on vocabulary, grammar, and syntax with an attempt to master the general principles. Four hours' credit.

212. Introduction to New Testament Greek. A continuation of 211. Four hours' credit.

213. Introduction to New Testament Greek. A continuation of 212. Some easy passages will be read from the New Testament. Four hours' credit.

311. New Testament Greek. The Gospel of Mark is studied, with special attention given to the principles of grammar and interpretation. Three hours' credit.

312. New Testament Greek. A continuation of 311 in which The Acts is studied. Three hours' credit.

313. New Testament Greek. A continuation of 312 with a study of two of the shorter Pauline Epistles. Three hours' credit.

Philosophy

204. History of Ancient and Medieval Philosophy. A general survey course of the more important thinkers and systems. Three hours' credit.

205. History of Modern Philosophy. A survey of the thinkers and systems of modern times. Three hours' credit.

308. Logic. An introductory course in the analysis of human thought in which a study is made of both inductive and deductive methods of reasoning, and of valid arguments and fallacies. Three hours' credit.

Religious Education

111. Teachings of Jesus. Emphasis on the teachings about God and man; the relation of man to God, and of man to man. Three hours' credit.

112. Introduction to the New Testament. Presentation of the background and people of the New Testament. Three hours' credit.

113. Introduction to the Old Testament. Presentation of the background and people of the Old Testament. Three hours' credit.

203 (103). Bible Doctrines. A study of the great doctrines of our faith. Two hours' credit.

204 (104). Bible Doctrines. A continuation of 203. Two hours' credit.

205. Comparative Religion. A study of the place of religion in the nature of man, with a comparison of the Christian and non-Christian religions and their particular effects on civilization. Three hours' credit.

306. Church History. A rapid survey of the growth and development of the Christian church. History 101, prerequisite. Three hours' credit.

307. Life and Work of the Christian Minister. The lives and practices of a group of our leading ministers will serve as a basis for the problems and attitudes discussed in class. Three hours' credit.

308. The Christian Family. This course will deal with all the vital problems of family life, with special emphasis on those principles and attitudes that will make for a happy Christian home. Three hours' credit.

Department of Social Sciences

Mr. Wise *Mr. Reed

Mrs. Rutledge

History, Political Science, and Sociology are inseparably connected. History is largely the record of the social and political changes and conditions of man. The chief problems before man today, as in all the past, are economic and social. These make up the leading political questions. Therefore, every citizen to vote, talk, or to act intelligently must know something of the great underlying principles of these subjects. This is the purpose of all the courses in this department.

History

101. A Survey of European Civilization, 395-1450. This survey is designed to meet the needs of freshmen. Stress is placed upon the disintegration of the Roman Empire, the establishment and development of the Christian church, the Byzantine Empire, the Carolignian Empire, the feudal system, the Investiture struggle, the Crusades, the rise of cities, and the decline of the Papacy. Three hours' credit.

102. Europe from 1450 to 1789. A study of the Renaissance, the Reformation, the Counter-Reformation, the Thirty Years' War, the Age of Louis XIV, the triumph of Parliamentary government in England, the emergence of Russia, overseas expansion, and the intellectual revolution. Three hours' credit.

*Absent for military service.

103. Europe Since 1789. A study of the French Revolution, the Napoleonic Wars, the Vienna Congress, the Revolutions of 1848, the unification of Italy and Germany, the growth of liberalism in Russia, the new industrial era, and the World War. Three hours' credit.

202e. Teaching Social Studies in Secondary Schools. Three hours' credit.

207. History of Tennessee. A study of Tennessee prior to 1796. Three hours' credit.

208. History of Tennessee. A study of Tennessee during the period of statehood. Three hours' credit.

211. The Colonial Period in United States History. Special emphasis will be placed on the European backgrounds, motives for colonization, and the political, social, and economic experiences as a part of the British Empire which led to the Revolutionary War and furnished the experience on which the new nation founded its government. The course will close with the early experiences of the new nation and the formation of the Constitution. Three hours' credit. (Replaces 210a and 210b.)

212. The Middle Period of United States History, 1789-1865. The problems domestic and foreign which confronted the new government. The War of 1812 and the new nationalism which followed. Hamilton's party absorbed by Jefferson's but rises again in opposition to Jacksonian democracy. The end of slavery. Three hours' credit. (Replaces 307 and 308.)

213. History of the United States Since 1865. Reconstruction. The rise of big business. Progressivism. World War I. Back to Normalcy. New Deal. Three hours' credit. (Replaces 309.)

304. History of England to 1558. A study of the origin and growth of the English people, the development of their institutional life, their economic life, Magna Charta, etc. Three hours' credit.

305. History of England, 1558 to 1763. Emphasis is placed upon the development of literature, the expansion of the British state during the period, the rise of Parliament and the development of the English Constitution. Three hours' credit.

306. Great Britain, 1760 to 1918. A study of English imperialism and the evolution of the British state as shaped by modern forces. Three hours' credit.

310. History of United States, 1914 to the Present Day. An advanced course stressing economic, social, political, and constitutional developments. Three hours' credit.

312. The Middle Ages. A study of the economic, religious, intellectual, and artistic movements in Europe from the collapse of the Roman Empire to the fifteenth century. In each of these movements emphasis is placed upon the influence of the Christian religion. Three hours' credit.

313. The Renaissance and Reformation. A study of the invention of printing and the diffusion of knowledge; the rediscovery of classical civilization; the vogue of classicism and humanism; the rise of literature and art; the development of natural science and historical criticism; Martin Luther and the revolt from Rome; Zwingle, Calvin, Knox and others; the Counter-Reformation; the rise of the Jesuits and the Inquisition; the Thirty Years' War; papacy and empire. Three hours' credit.

314. The French Revolution. A study of the Old Regime, the influence of the Philosophers, the Estates General, the National Constituent Assembly, the attempts of France to establish a stable government during the 1790's, the Reign of Terror, Robespiere and other leaders, the rise of Napoleon Bonaparte, the foreign wars, the Empire and the reorganization of Europe, the Congress of Vienna. Three hours' credit.

315. Nineteenth Century Europe. Emphasis upon results of Franco-Pressian War and the underlying causes of World War I. (1870-1914). Three hours' credit.

320. American History, 1763-1789. The Revolution, the War of Independence, the Confederation, the Constitution. Three hours' credit.

411. Diplomatic History of the United States. A study of those international experiences of the United States which seem to reveal the American foreign policy. Prerequisites: A senior student or courses 211, 212, and 213. Three hours' credit.

412. The Old South. Stress is placed upon colonial politics; services rendered in the Revolution and in the formation of the Union; the social, industrial, and religious development; the sectional controversies prior to the Civil War. Three hours' credit.

414. Contemporary Europe. The emphasis will be placed on those incidents and conditions since the first World War which brought about the rise of the dictatorships, their influence on European affairs, and the immediate interest of the United States in the consequences of their rise. The primary aim will be to enable the student to read the daily European news with more pleasure and intelligence. Open to junior and senior students who have had course 103. (Replaces 413.) Three hours' credit.

Political Science

201. The Foundations of Government in the United States. A study of the government in a twentieth century world, the beginnings of state and national governments, making the National Constitution, political parties, nominating and electing a President. Three hours' credit.

202. The National Government. A study of the President—as chief executive; the executive civil service; the structure of Congress; the President and Congress; the national judiciary; national revenues and expenditures; money, banking, and credit; foreign relations, etc. Three hours' credit.

203. State and Local Government. A study of the state constitutions; the state legislatures; the state executive; the state judiciary; the state finance; the county and its government; the city and its charter; the forms of city government; townships, villages, and special districts. Three hours' credit.

Sociology

131 (112). Social Problems. A practical introduction to some of the specific problems of sociology. It is logically the beginning course though 132 and 133 may be taken first. Three hours' credit.

132. Principles of Sociology. This is a survey of the entire field in an effort to master the determining principles and laws found in social relations. Three hours' credit.

133. Principles of Sociology. A continuation of 132. Three hours' credit.

241. Rural Sociology. An intensive course in the dominating elements of rural life problems. It is planned to meet the needs of rural teachers, pastors, county agents, and other rural community workers. Three hours' credit.

242 (411). Urban Sociology. Special attention is given to the structure, functions, and problems of the modern city. Three hours' credit.

243 (422). The Negro in American Life. Intensive study will be given to the most serious American problems in the field of race relations. Three hours' credit.

The Fine Arts

Mrs. Prince Mrs. Hawkins Mrs. Loyd
Mr. Bolton

The college administration recognizes that a complete curriculum includes courses in the fine arts; therefore, ample provision has been made to meet the needs both of students in the college proper and of those special students who may desire to work chiefly in this field. The courses are offered under four divisions: Piano and Theory, Voice Culture, Public School Music, and Speech Drama.

The piano occupies a place of dignity and value, and should

PIANO AND THEORY

MRS. PRINCE

have treatment commensurate with its place as a factor in musical education. The foundation of piano technique is flexibility of the fingers, hands, and arms. The selection of exercises and pieces for study will be made with reference to their musical value, as well as to the needs of the pupil in developing and maintaining a lively interest in his work. The curriculum is chosen from standard composers.

Outline of Piano Study

By the end of the first year pupils should be playing music ot the grade of Clementi's Sonatinas; second year, Czerny Kuhlau's and the easier Mozart Sonatas, and the easier Mendelssohn's Songs Without Words; third year, Cramer-Bulow Studies, Clementi's Gradus, Bach's two-part and three-part Inventions, Beethoven's easier Sonatas, Chopin's easier works, Kullak's Octave Studies.

For the completion of the full course, another year is required, including the Moscheles, Kessler, Henselt and Chopin Studies, as well as some of the Bach Fugues, Chopin's larger works, such as Op. 40, 29, and 31, and Beethoven's Sonatas, such as Op. 10, 13, 26, and 27.

History and Theory

THEORY OUTLINE. Acoustics, notation, musical terms and forms of composition; musical instruments; the orchestra.

HISTORY OUTLINE. The rise and development of modern music; early church music; the opera; oratorio; instrumental music; the great composers; their works and characteristics; classic and romantic music and understanding of all technical terms, with correct pronunciation of foreign terms and proper names. The time required to complete this course is two years.

Keyboard Harmony

Keyboard harmony consists in study at the keyboard of the primary chords and their connections, as they are used in musical compositions. It leads to improvisations, and is the foundation of memorizing. This practical work is necessary for all piano students, though it may precede or follow the regular course in harmony.

In the regular course the work consists almost wholly of writing the chords and various harmonic progessions. Pupils rarely obtain more than a theoretical knowledge of the subject.

Memorizing

The prevalent custom of the pianist to play without the music, giving entire programs in this manner, makes it necessary that the ability to memorize be required. The mechanical process of memorizing by note—that is, playing the notes and repeating them—is decidedly unreliable. Satisfactory memorizing requires the understanding of several distinct agencies.

1. Familiarity with elementary materials of music—scales and chorus, measures and rhythm.
2. The principles of harmonic progression.
3. Analysis of musical design.
4. Conventional outlines of form which tend to reveal the order of tonality of different divisions and subdivisions in certain styles of music.

NOTE: *The Teacher's Certificate will be given to those who complete the first two years, including one year of theory and harmony, and one year of musical history.*

Recitals are required for the junior and senior years.

VOICE CULTURE

MRS. HAWKINS

Cultivation of the voice in singing is now regarded as an important branch of education. Like many natural powers, the voice is given to us in crude state, and we are obliged to develop it through means that art has revealed to us.

Students enter grades at the judgment of the director, and the course largely depends upon the individual needs of each. It has as its object a high degree of perfection in church, oratorio and concert singing, familiarity with the vocal schools and works of great masters, and those principles of vocal culture so necessary for successful teaching. A general outline of the course is given, but it will be adapted to the needs of the individual students.

The work will be graded on the same basis as in the literary departments.

100. Class Lessons. Fundamentals of correct vocal production: breath control, relaxation, and resonance. One hour's credit.

101. Voice. Principles of breathing, enunciation, and diction. Practical methods by Vaccai and Concone; easy songs, and ballads. One hours' credit.

102. Voice. Continuation of vocalises; songs of the Classic Period. The recitative folk song, and public appearance. One hour credit.

104. Church Music. A study of the music of the church, from the early chants to the modern anthem and hymn, the direction of a church choir, and congregational singing. One hour's credit.

200. Voice. Advanced Study. Art songs, oratorio, arias, interpretation, public appearance. Credit according to work done.

201. Harmony. (Prerequisite: P. S. M.) The common chord with its inversions, seventh chords, altered chords suspensions, modulations; original work. Three hours' credit.

202. History of Music. Text: Outlines of Music History—Hamilton. Study of primitive music, medieval church and secular music; works of Bach and Handel. Three hours' credit.

203. Composers and Their Compositions. Period of Haydn, Mozart, and Beethoven. The rise of romanticism; the Wagnerian Drama; program music; nationalism in music. Three hours' credit.

300. Conducting. A practical course in the theory and practice of conducting with special emphasis in directing choral groups. One hours' credit.

A CAPPELLA CHOIR

Membership in the choir is available to a limited number of men and women selected from open competition. Music of the master musicians of all periods studied and performed without instrumental accompaniment. Special attention given to church music. One hour credit.

Public School Music

101. For Primary Grades. Special attention will be given to sight singing, ear and keyboard training, conducting, and practice teaching—a preparation in general musicianship. Planned to meet State Board requirements. Three hours' credit.

102. For Elementary Grades. A study of methods and materials, together with practice teaching. A good knowledge of the elements of music and choral direction necessary for students entering this course. Planned to meet State Board requirements. Three hours' credit.

103. Sight Singing. Text: George Wedge. Recognition of intervals and melodies; dictation exercises; reading and singing of melodies of difficult modulations and rythms. Three hours' credit.

SPEECH AND DRAMA

Mrs. Loyd

This course of study purposes to give to the student constructive training that will be a valuable element in his education. It is designed for those who wish to be teachers, salesmen and ministers, as well as for those who seek general cultural development.

The aim is to free the individual from the limitations of timidity and self consciousness, and to teach him how to form and give expression to clear mental impressions through the artistic use of the voice and body. In the course of study not only are the foundations of good speech laid, such as breathing, tone placement, enunciation, and pronunciation, but the entire scale of the voice is brought into use and a wider range established.

Those desiring to pursue a course in speech and drama are urged to lay a broad foundation for the work. Much attention should be given to the study of English, psychology, and kindred subjects.

210. Voice and Diction. Development and use of the speaking voice, with special attention to everyday social and professional needs of the student; technique of good speech, such as correct phrasing, intonation, and stress patterns, a clear, pleasing, and well modulated voice,

distinct and acceptable pronunciation. Consideration is given to the elimination of such difficulties as throat fatigue, huskiness, nasality, extremes of pitch, indistinctness, monontony, mispronunciation. Three hours' credit.

310. Voice and Diction. A more advanced course for those who have had Speech 210. Three hours' credit.

212. Oral Interpretation of Literature. Oral reading as an educative exercise for the development of the individual. Study and practice in the analysis and presentation of various types of literature; the short story, the narrative poem, the lyric, the sonnet, and the one-act play. Consideration of the techniques of reading and of program material. Four hours' credit.

312. Oral Interpretation of Literature. A more advanced course for students who have had 212. Four hours' credit.

215. Play Production. This course considers the organization of dramatics in schools, colleges, social clubs, and community houses. It will deal with the history and present status of play production; business organizations and contracts; play choice and casting; the theory and practice of rehearsal, directing and acting. Three hours' credit.

315. Play Production. A more advanced course for those who have had 215. Three hours' credit.

213. Public Speaking. Techniques of composition and delivery of various types of speeches for formal and informal occasions. Analysis of speech situations in business, social and professional relations. Practice and criticism. Three hours' credit.

*200a-b-c. Educational Dramatics. Study and practice for the presentation of plays. Analysis of interpretation of bodily agents and application to physical characterizations; study of normal voice and interpretation of lines leading into vocal and dialectic characterizations. Public performances. One hour's credit on each course.

*211a-b-c. Ministerial Speech. Study and practice in

Courses 200a-b-c and 211a-b-c open to a limited number without departmental fee.

the development of good speech technique, such as correct phrasing, inflection patterns, a clear pleasing voice and acceptable pronunciation. Practice and criticism in Interpretation of the printed page. Analysis of speeches for business, social and professional occasions. One hour's credit on each course.

311a-b-c. Ministerial Speech. Continuation of 211.

Tuition for speech and drama courses is five dollars per credit hour.

SPEECH

Prof. Farnsworth

217-218-219. Public Discussion. Believing that the way to learn a thing is to do it under guidance, each of these courses will represent not only a study of the principles involved but actual practice will be required. The symposium, the informal discussion, non-decision debating, etc. One hour credit on each course.

227-327-427. Fundamentals of Speech. A practical course with its aim the development of poise and personality through effective speech. Personal appearance, the speaking tools, and platform etiquette will be stressed. Actual practice will be required. One hour credit on each course.

228-328-428. Debating. A study of the common debate subjects of the day and the issues involved. All members must represent the school or some organization of the school in at least one public debate on a current topic. One hour credit on each course.

229-329-429. Types of Speaking. A study of the types of speaking, including extemporaneous speaking, impromptu speaking, oratory, the after-dinner speech, newscasting, interpretation, etc. Actual practice will be given in one or more types each quarter. One hour credit on each course.

317. Principles of Debating and Debate Coaching. A study of the fundamentals of argumentation and debate, the selection of questions, debate reasoning, debate logic, refutation and rebuttal, debate fallacies, aids to debaters, types of debating and rules for each, the task of each speaker, the judging of debates, tournament debating, the work and problems of the debate coach, etc. Three hours' credit.

Physical and Health Education

Mr. DeLay Mr. Jelks

Mrs. Williams

Union University believes in training the body as well as the mind and soul. Perhaps nothing encourages an interest in physical exercise more than college athletics. While it usually happens that those who are on the teams are already developed, and therefore do not need the inter-collegiate contests for their own physical growth, yet it is true that most of them were originally aroused to an interest in the development of their bodies either by practicing in games, or by watching the games of others.

In order that our college teams may be a credit to the institution, and that it will be a compliment to a young person to be a member of the team, the faculty has adopted the following rules which will be strictly adhered to:

1. None but *bona fide* students of this institution shall be allowed to participate in inter-collegiate or inter-scholastic contests. By "bona fide" student is meant:

(a) Any student who is carrying a regular course of study of not fewer than twelve hours a week in this institution, and who was enrolled at or near the first of the term in which he plays.

(b) Any student who has not failed or who has been conditioned on not more than one-third of his work.

(c) Any student whose classification conforms to the ruling governing classification of all students as shown on page 39.

2. A member of the faculty shall accompany all teams when away from the University.

3. *All funds shall pass through the books in the College office and all checks be signed by the Bursar or President, and the President shall approve all contracts or orders involving money.*

Physical Education

The purpose of the Required Physical Education course is to maintain the physical vitality of students and to develop interests and activities that will continue beyond school. The

work includes both physical education classes and activities such as games, hikes, etc. Students presenting a physician's certificate may be exempt from active participation.

100, 101, 102. Required Physical Education. Two hours per week throughout the year required of all freshmen. Each course one hour credit.

200, 201, 202. Required Physical Education. A continuation of 100, 101, 102. Two hours per week throughout the year required of all sophomores. Each course one hour credit.

205. Physical Education in Elementary School. The purpose of the course is to prepare prospective teachers to carry out the physical education program required in the elementary schools of the state. The course includes both games and exercises. Required of students taking the Two-Year Elementary Curriculum. Three hours credit.

300, 301, 302. Athletic Coaching. The courses in Athletic Coaching include Physical Education 300, Coaching Football, Physical Education 301, Coaching Basketball, and Physical Education 302, Coaching Minor Sports. In addition to theory work, regular practice will be required. In order to do satisfactory work a student will need a playing knowledge of each of the sports taken up. Open to juniors and seniors only. Each course two hours' credit.

400. Physical Education in Secondary School. The purpose of the course is to prepare students who plan to teach Physical Education in high school to carry out the physical education program of the state required at the high school level. The course includes both games and exercises. Required of all students who expect to certificate in Physical Education. Three hours' credit.

Health Education

100. Emergency Injuries. A general study is made of the prevention and emergency care of injuries. Topics included are infection, germicides, making and using dressings, care of injuries and accidents, first aid treatment for hemorrhages, fractures, and sprains, etc. Three hours' credit.

101. See Home Economics 101, page 71. Three hours' credit.

221. See Home Economics 221, page 72. Three hours' credit.

413. Hygiene. A practical course in personal and community hygiene dealing with the applications of the findings of science and medicine to the improvement of daily living. Three hours' credit.

DEGREES AWARDED IN 1943

Honorary Degrees

Doctor of Laws

Jere L. Crook
Clarence E. Pigford

Doctor of Divinity

Preston L. Ramsey
Paul A Wieland
Samuel R. Woodson

Academic Degrees

Bachelor of Arts, June class

Edward Brandon.....Benton, Kentucky
Martha Lynn Caldwell.....Jackson, Tennessee
James Albert Caudle.....Chicago, Illinois
James Franklin Cole.....Paducah, Kentucky
George W. Crawford.....Oakfield, Tennessee
Beth L. DeFord.....Jackson, Tennessee
Jeanne DeMent.....Jackson, Tennessee
Ray Dobbins.....Memphis, Tennessee
James T. Ford.....Boaz, Kentucky
J. Donald Kelso.....Fayetteville, Tennessee
Walter C. Meredith.....Memphis, Tennessee
Glenn Marlin Mills.....Tupelo, Mississippi
Joe T. Naylor.....Brownsville, Tennessee
D. D. Smothers.....Bartlett, Tennessee

Bachelor of Science, June class

Merle T. Basden.....Memphis, Tennessee
Mary Brown.....Henderson, Tennessee
Bernda Dees.....Decaturville, Tennessee
Woodrow Hood.....Avans, Georgia
Blanch Hughes.....Adamsville, Tennessee
Raymond Judy.....Dyer, Tennessee
Jack Kaley.....Bremen, Georgia
Mary Jo Kee.....Gibson, Tennessee
Naomi Kenner.....Bells, Tennessee
Currie Moore.....Stanton, Tennessee
James Walton.....Springfield, Tennessee

Bachelor of Arts, August class

Annie Sue French.....Jackson, Tennessee
Woodrow Hood.....Avans, Georgia
Mynell McDurmon.....Memphis, Tennessee
Howard Sorenson.....Storden, Minnesota

Bachelor of Science, August class

Charles E. Butler.....Trenton, Tennessee
James A. Jones.....Florence, Alabama
Wilma Lay.....Savannah, Tennessee
William E. Prout.....Tupelo, Mississippi

ROSTER OF STUDENTS
1943-1944

SENIORS

Basford, Martha.....Jackson, Tennessee
Billingsley, R. L.....New Site, Mississippi
Brewer, David Julian.....Kenton, Tennessee
Bright, Mrs. R. E.....Jackson, Tennessee
Brown, John Victor.....Ypsilanti, Michigan
Bryant, Milton.....Jackson, Tennessee
Butler, Charles.....Trenton, Tennessee
Camp, Mabel.....Jackson, Tennessee
Campbell, T. L.....Jackson, Tennessee
Clinard, Christine.....Jackson, Tennessee
Clinard, Gordon.....Jackson, Tennessee
Coe, Betty.....Centralia, Illinois
Corlew, Juanita.....Tiptonville, Tennessee
Davidson, Helen.....Jackson, Tennessee
Derryberry, Virginia.....Kenton, Tennessee
Dixon, J. C.....Jackson, Tennessee
Flowers, Bertie.....Milan, Tennessee
French, Annie Sue.....Jackson, Tennessee
Graves, Margaret.....Alamo, Tennessee
Guy, Virginia Nell.....Jackson, Tennessee
Hall, Mildred.....Jackson, Tennessee
Hardin, Ruth Helen.....Lexington, Tennessee
Harrison, Ora Nell.....Jackson, Tennessee
Henderson, Elizabeth.....Greenville, Mississippi
Hester, Carey.....Dyersburg, Tennessee

Hood, Woodrow ..... Avans, Georgia
Hunt, Nannie Mae ..... Jackson, Tennessee
Hutchison, Mrs. Bertha L. ..... Brownsville, Tennessee
Jones, James A. ..... Florence, Alabama
Killen, Katherine ..... Milan, Tennessee
Lambert, Knox ..... Martin, Tennessee
Lay, Wilma ..... Savannah, Tennessee
Manly, Mildred ..... Jackson, Tennessee
Matthews, Mary Louise ..... Bolivar, Tennessee
McClintock, Patricia ..... Jackson, Tennessee
McDurman, Mynelle ..... Memphis, Tennessee
Newton, Jesse Howard ..... Hickman, Kentucky
Oldham, Rebecca H. ..... Union City, Tennessee
Outlan, Wm. Franklin ..... Jackson, Tennessee
Paschall, Henry Franklin ..... Puryear, Tennessee
Prout, William E. ..... Tupelo, Mississippi
Raines, Louise ..... Humboldt, Tennessee
Rhodes, Lear ..... Michie, Tennessee
Roland, Josephine ..... Henderson, Tennessee
Sams, Braxton ..... Pulaski, Tennessee
Sanders, Edith ..... Holladay, Tennessee
Scott, Martha Louise ..... Millington, Tennessee
Sedberry, R J., Jr. ..... Woodland Mills, Tennessee
Shinault, Edith ..... Berkeley, California
Sorenson, Howard ..... Jackson, Tennessee
Turner, Paul W. ..... Jackson, Tennessee
Walker, Billie Grace ..... Milan, Tennessee
Wallace, Mildred ..... Jackson, Tennessee
Wilson, Ralph ..... Osceola, Arkansas
Wood, Fred ..... Memphis, Tennessee
Yancy, Edith ..... Arlington, Kentucky

JUNIORS

Anderson, Ernestine ..... Jackson, Tennessee
Appleton, Christine ..... Trenton, Tennessee
Appleton, LaVerne ..... Trenton, Tennessee
Baker, Clayton ..... Holladay, Tennessee
Benson, Robert ..... Jackson, Tennessee
Berryhill, Grailyn ..... Jackson, Tennessee
Blythe, Mary Jean ..... Jackson, Tennessee
Brewer, Stanley ..... Hackleburg, Alabama
Butler, Erba A. ..... Marmaduke, Arkansas

Carlton, Helen ..... Brownsville, Tennessee
Cole, Betty Anne ..... Jackson, Tennessee
Cole, Ruby Frances ..... Paducah, Kentucky
Crocker, Gordon ..... Bradford, Tennessee
Davidson, Tom Allen ..... Jackson, Tennessee
Dinkins, Charles ..... Henry, Tennessee
Fitzgerald, Nora Frances ..... Malesus, Tennessee
Glisson, Jerry Lee ..... Dyer, Tennessee
Harp, Harry ..... Detroit, Michigan
Harrison, Ellenor ..... Jackson, Tennessee
Herring, George B. ..... Brownsville, Tennessee
Howell, Lillian ..... Middleton, Tennessee
Irwin, James ..... Decatur, Alabama
Kolb, Howard ..... New Orleans, Louisiana
Lewis, Cathleen ..... Jackson, Tennessee
Loyd, Mrs. Elizabeth ..... Jackson, Tennessee
Mallory, Martha ..... Jackson, Tennessee
Mallory, Mary ..... Jackson, Tennessee
Michael, Mae Ruth ..... Selmer, Tennessee
McClintock, Jeanne ..... Jackson, Tennessee
Norris, Mary Anne ..... Tiptonville, Tennessee
Owens, Cleo ..... Tichomingo, Mississippi
Patterson, Betty Jo ..... Bradford, Tennessee
Parker, Chester ..... Forest City, Arkansas
Pounds, Frances ..... Jackson, Tennessee
Sims, Mrs. Marie ..... Medina, Tennessee
Singleton, Woodrow ..... Jackson, Tennessee
Sledd, C. C. ..... Jackson, Tennessee
Smith, Maruine ..... Marietta, Mississippi
Stallcup, Doris ..... Jackson, Tennessee
Taylor, Ethelyn ..... Milan, Tennessee
Taylor, Mrs. Murray ..... Jackson, Tennessee
Thompson, Flossie Webb ..... Dyer, Tennessee
Thompson, Katherine Adele ..... Glen, Mississippi
Tomlin, Rachel ..... Jackson, Tennessee
Ward, Walter E., Jr. ..... Memphis, Tennessee
Wells, Mary Eleanor ..... Jackson, Tennessee
White, David ..... Hickman, Kentucky
Wilds, Grace ..... Michie, Tennessee
Williams, Annie Laura ..... Brownsville, Tennessee
Williams, Bettye Ruth ..... Athens, Tennessee
Williams, Hazel E. ..... Friendship, Tennessee

Wills, Bruce.....Ft. Worth, Texas
Winter, Margaret.....Jackson, Tennessee

SOPHOMORES

Armstrong, Mary Paul.....Lexington, Tennessee
Bargery, Mary Pauline.....Ridgely, Tennessee
Barr, Martha Ellen.....Dyer, Tennessee
Bates, Dan.....Hillsdale, Michigan
Bolton, William.....Jackson, Tennessee
Bond, Dorothy.....Jackson, Tennessee
Bouland, Rudy Ivy.....Jackson, Tennessee
Brewer, Anna S.....Marietta, Mississippi
Bynum, Imogene.....Booneville, Mississippi
Campbell, Loretta.....Jackson, Tennessee
Clapp, W. H.....Fulton, Kentucky
Crabtree, Thomas T.....Bells, Tennessee
Curry, John Edgar.....Mercer, Tennessee
Darling, Sarah.....Jackson, Tennessee
Davis, Lorraine.....Dyersburg, Tennessee
Dowland, Dorothy.....Trenton, Tennessee
Drake, Charles Thomas.....Cedar Hill, Tennessee
Duke, Ola.....Jackson, Tennessee
Evans, Bettie Jane.....Jackson, Tennessee
Ford, Mary Helen.....Jackson, Tennessee
French, Corinne.....Jackson, Tennessee
Glynn, Rose.....Jackson, Tennessee
Hampton, Marjorie.....Jefferson City, Missouri
Harvey, Annie Re.....Brownsville, Tennessee
Isbell, Paul P.....Union City, Tennessee
Johnson, John C.....Tiplersville, Mississippi
Jones, Eura.....Trenton, Tennessee
Lane, Theo.....Memphis, Tennessee
Liles, Jeanelle.....Humboldt, Tennessee
Loggins, Elizabeth.....Tiptonville, Tennessee
Masters, Verl.....Paducah, Kentucky
Mays, Mrs. Gladys.....Mercer, Tennessee
McCallen, Eloise.....Jackson, Tennessee
McLuckie, Mary Elizabeth.....Metropolis, Illinois
Melton, Charles.....Memphis, Tennessee
Miles, Anna Blanche.....Jackson, Tennessee
Montgomery, Mary Evelyn.....Rutherford, Tennessee
Moore, Marion.....Covington, Tennessee

Morse, Mrs. Virgie L. ..... Medina, Tennessee
Moss, Mary Helen ..... Bolivar, Tennessee
Murray, Maria ..... Jackson, Tennessee
Nash, Hilda ..... Jackson, Tennessee
Norton, Eunice P. ..... Jackson, Tennessee
Olds, Ernest ..... Curve, Tennessee
Only, Doris ..... Jackson, Tennessee
Only, Evelyn ..... Jackson, Tennessee
Patterson, Oscar W. ..... Bells, Tennessee
Richardson, Lar Lu D. ..... Lexington, Tennessee
Robinson, Lessie Mai ..... Dyersburg, Tennessee
Robison, Betty Jo ..... Lexington, Tennessee
Robison, Osie Blanch ..... Ridgely, Tennessee
Saunders, Janie ..... Jackson, Tennessee
Schwartz, Virginia ..... Corinth, Mississippi
Smith, Mozelle ..... Waterford, Mississippi
Steele, Mary Nelle ..... Parsons, Tennessee
Surratt, Nelle ..... Adamsville, Tennessee
Thompson, Mrs. W. C. ..... Trimble, Tennessee
Tickle, Jeanette ..... Dyersburg, Tennessee
Trobaugh, Jane ..... Millington, Tennessee
Turner, Martha Jane ..... Jackson, Tennessee
Vaughan, Curtis ..... Memphis, Tennessee
Williams, Mrs. Audrey ..... Old Hickory, Tennessee
Winters, Harry L. ..... Jackson, Tennessee
Wray, Clara Gwendolyn ..... Humboldt, Tennessee
Young, Betty June ..... Jackson, Tennessee

FRESHMEN

Allen, Walter Garr ..... Jackson, Tennessee
Anderson, Anne ..... Jackson, Tennessee
Armour, Warren G. ..... Henderson, Tennessee
Austin, Mary V. ..... Lexington, Tennessee
Bailey, Essie ..... Hazel, Kentucky
Bailey, Olga ..... Hazel, Kentucky
Baker, Betty Jane ..... Memphis, Tennessee
Butler, James J. ..... Jackson, Tennessee
Butt, Raymond Earl ..... Jackson, Tennessee
Carver, Wade ..... Bradford, Tennessee
Cooper, R. J. ..... McKenzie, Tennessee
Cravens, R. F. ..... Jackson, Tennessee
Cross, Monette ..... Bradford, Tennessee

Dunn, Dorothy.....Halls, Tennessee
Eldridge, Eva Mae.....Beaver Dam, Kentucky
Ferguson, George.....Jackson, Tennessee
Farris, Homer W.....Union City, Tennessee
Granger, Carolyn.....Little Rock, Arkansas
Grantham, Eloween.....Jackson, Tennessee
Henderson, Betty Jane.....Jackson, Tennessee
Hudgings, Lila Marie.....Jackson, Tennessee
Hudson, Jothel.....Humboldt, Tennessee
Hurt, Jean.....Halls, Tennessee
Jacobs, Shirley.....Jackson, Tennessee
Jacques, Betty Jane.....Covington, Tennessee
Johns, V. J., Jr.....Jackson, Tennessee
Johnson, Annie Bell.....Sylvia, Tennessee
Johnson, Lucille.....Sylvia, Tennessee
Lankford, Mary Evelyn.....Henry, Tennessee
Latta, Roderick.....Jackson, Tennessee
Liles, Cullen.....Humboldt, Tennessee
Lowry, Learline.....Rowland, North Carolina
McClure, Adelyne.....Memphis, Tennessee
McFarland, Charlotte.....Jackson, Tennessee
Mount, Hilda Jean.....Friendship, Tennessee
Newton, Mrs. Mattie S.....Hickman, Kentucky
Only, Louis O.....Jackson, Tennessee
Parrott, Billy Edward.....Crutchfield, Kentucky
Pressely, Anne.....Jackson, Tennessee
Ragan, David.....Jackson, Tennessee
Rainey, Martha Frances.....Jackson, Tennessee
Ramsey, Hilda.....Trenton, Tennessee
Richardson, Mildred.....Jackson, Tennessee
Smith, William Anderson.....Huron, Tennessee
Tatum, Lloyd.....Jackson, Tennessee
Thetford, King.....Idlewild, Tennessee
Turner, Dorise June.....Covington, Tennessee
Waldrop, Rachel.....Shubuta, Mississippi
Watkins, Mrs. Maggie.....Jonesboro, Arkansas
Welborn, June Rhoads.....Oceola, Arkansas
Williams, James Arthur.....Old Hickory, Tennessee

SPECIALS

Cunningham, A. R. ..... Jackson, Tennessee
DeLay, Mrs. Fred ..... Jackson, Tennessee
McClaran, Annette ..... Jackson, Tennessee
Mallory, Mrs. J. M. ..... Jackson, Tennessee
Moore, Currie ..... Brownsville, Tennessee
Witt, William A., Jr. ..... Gates, Tennessee

SUMMARY OF ENROLLMENT
1943-1944

Seniors	56
Juniors	53
Sophomores	65
Freshmen	51
Specials	6
Total	231
U. S. Army	300